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For more Liberator info, you can purchase his book at http://home.pacbell.net/rlhag65/

THE LIBERATOR PISTOL

DEVELOPMENT
PRODUCTION
DISTRIBUTION

RALPH HAGAN

PUBLISHED UNDER THE AUSPICES OF THE O.S.S. SMONGERAND C.I.A. DEER GUN

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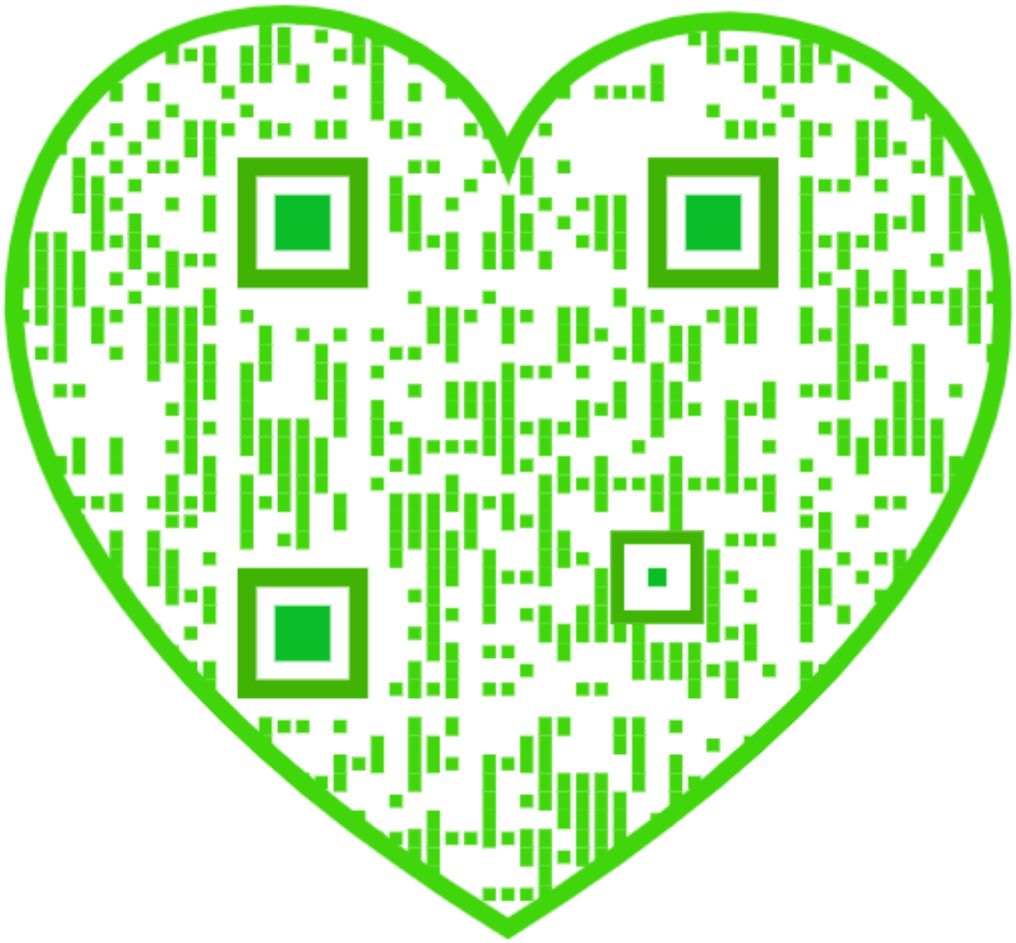
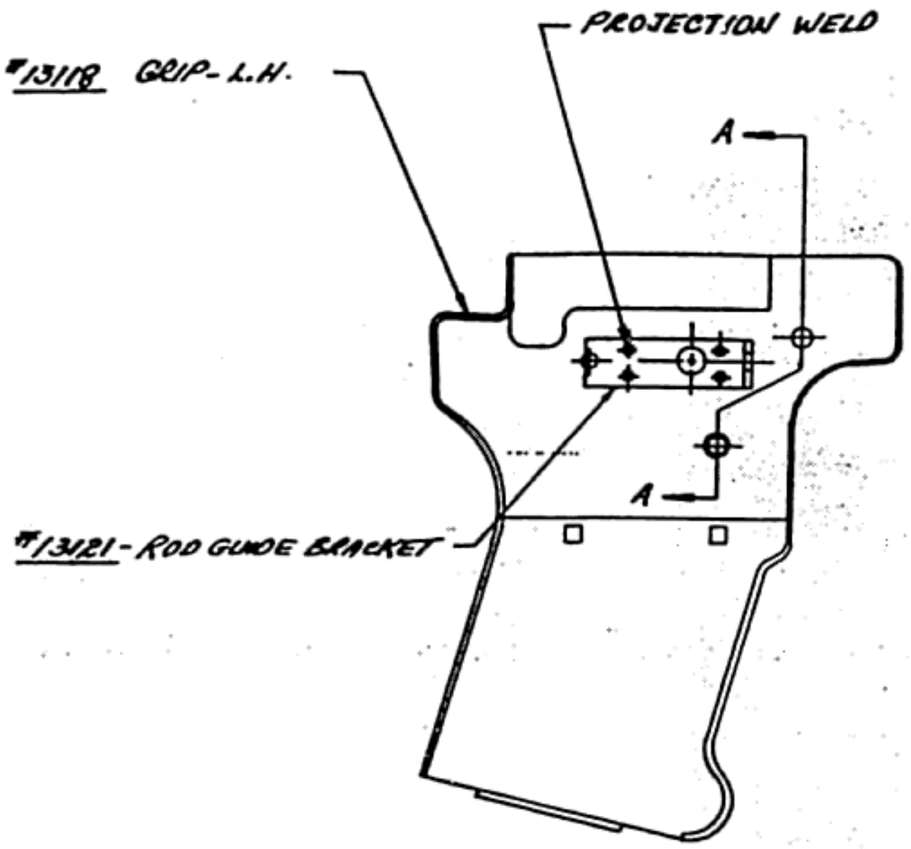
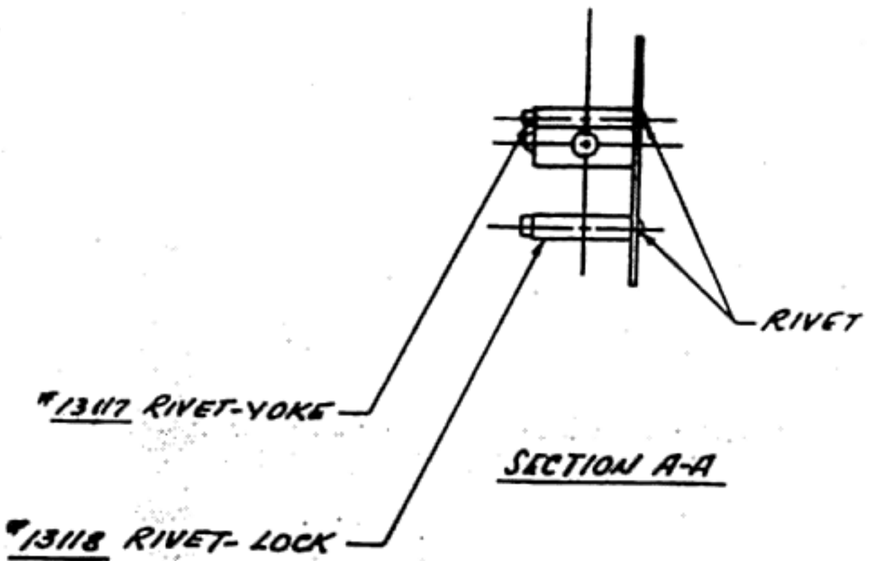


Part Nomenclature	"Cover Name"	Drawing Number
1. Handgrip	Grip, Left-hand	13108
2. Right Handgrip	Grip, Right-hand	13108-13109
3. Breechblock	Cover, Slide	13127
4. Breechblock Spring	Lock Spring	13119
5. Breechblock Spring Pin	Rivet Lock	13118
6. Barrel Strap	Tube Strap	13125
7. Barrel	Tube	13110
8. Trigger Guard	Spanner	13126
9. Cocking Knob	Control Handle	13124
10. Breechblock Guide Pin	Guide Pin	13124-1
11. Firing Pin	Control Rod-Upper Part	13124
12. Cocking Knob Guide Rod	Control Rod-Lower Part	13120-13124
13. Guide Rod Support	Rod Guide Bracket	13121
14. Guide Rod Spring	Control Rod Spring	13132
15. Guide Rod Collar	Collar	13122
16. Guide Rod Collar Pin	Collar Pin	13123
17. Trigger	Yoke	13113-13131
18. Trigger Spring	Yoke Spring	13115
19. Trigger Connector	Yoke Lever	13114
20. Trigger Connector Pin	Shoulder Rivet	13116
21. Trigger Hinge Pin	Rivet-Yoke	13117
22. Trigger Spacers, 2 each	Spacer	EX-1174-1
23. Magazine Plate	Snap Cover	13112

Also shown are assembly drawing numbers: 13111, 13128, 13129, 13130, 13131 & 13154.
Drawing 13133 is a list of the drawings.

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO





LET	CHANGES	DATE	C'K'D	REF. NO.	LET	CHANGES	DATE	C'K'D	REF. NO.

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MAT'L C.R.S.	SPEC.	REL. NO.	DATE 5-15-42
FINISH	SPEC.	SCALE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
	5-15-42					5-15-42

NAME **GRIP L.H. ASSEMBLY**

DRAWING & PART NO. **13108**

INLAND MANUFACTURING DIVISION
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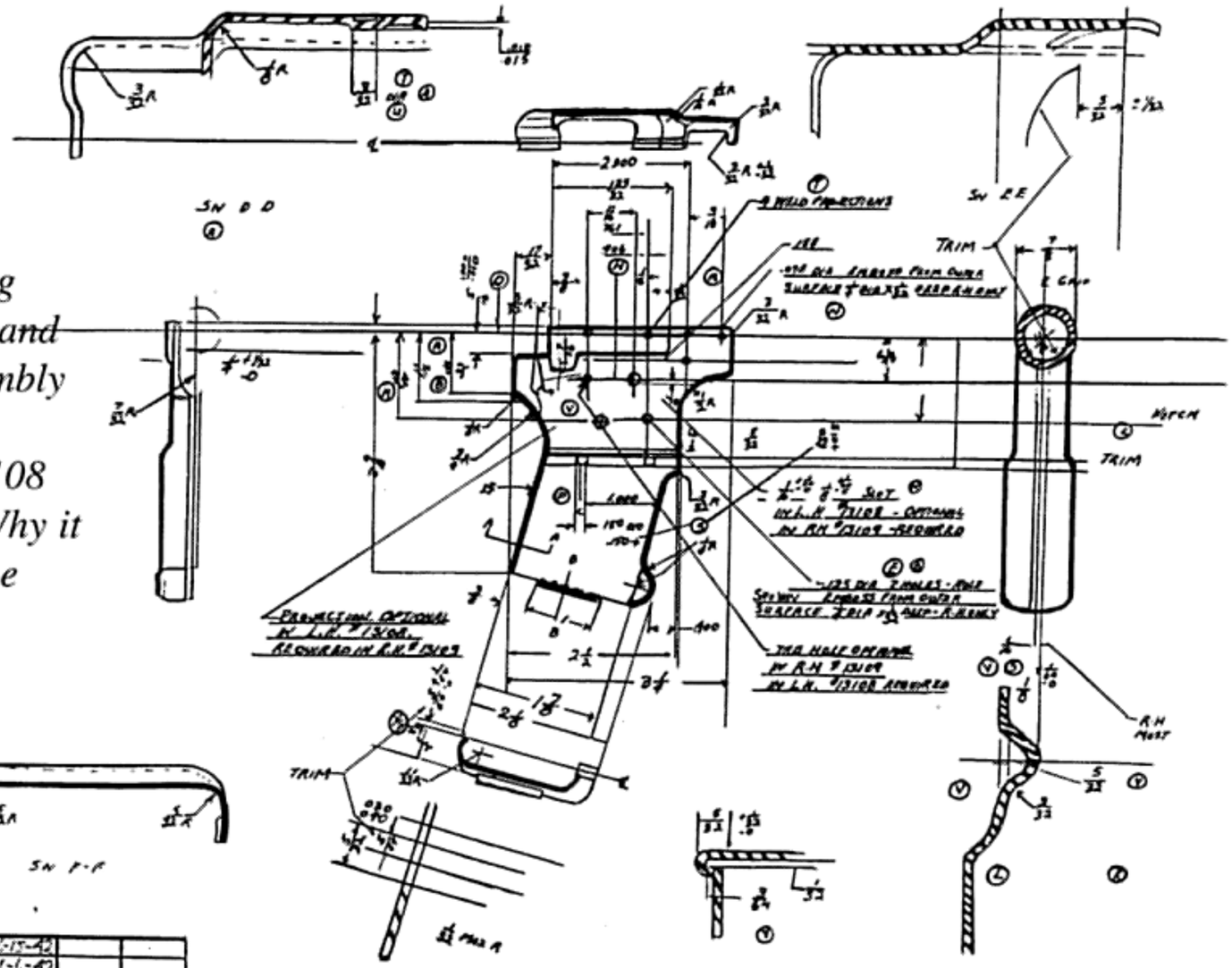
DAYTON, OHIO

Note: Drawing 13109 should be of the right handgrip. This drawing shows both handgrips and appears to be an assembly drawing. The original drawing shows the 13108 and 13109 numbers. Why it is named "Sub Machine Gun" is unknown.



ADDED NOTE	7-17-42
150 ±.005 WAS .140 ±.005	7-9-42
WAS 3/32 DIA .140 ±.005	6-22-42
33/42 WAS 15/16	6-18-42
ADDED 1/64	6-11-42
ADDED NOTE	6-11-42

LET	CHANGES	DATE	C'KD	REF NO.
X	ADDED TOLERANCE	6-15-42		
W	1"/64 ADDED	6-6-42		
V	"/32 WAS 1/32 "/64 WAS 3/64 R			
U	5/12 WAS 3/32 DIA WAS .1010			
T	PROJECTIONS ADDED	5-25-42		
S	TRIM	5-22-42		
R	TRIM CHANGES			
P	REPLACED PROTECTIONS			
N	.0630 WAS 1/32			
M	2-3/32 REMOVED	5-21-42		
L	1/32 R CORRECTED	5-17-42		
K	WAS 1/8			
J	WAS 1/32			
H	WAS .250			

LET	CHANGES	DATE	C'KD	REF NO.
G	WAS .625			
F	1"/16 WAS 1			
E	ADDED HOLE			
D	ADDED S/N			
C	NOTES ADDED	5-14-42		
B	ADDED S/N			
A	ADDED S/N			

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE NOTED

DO NOT SCALE

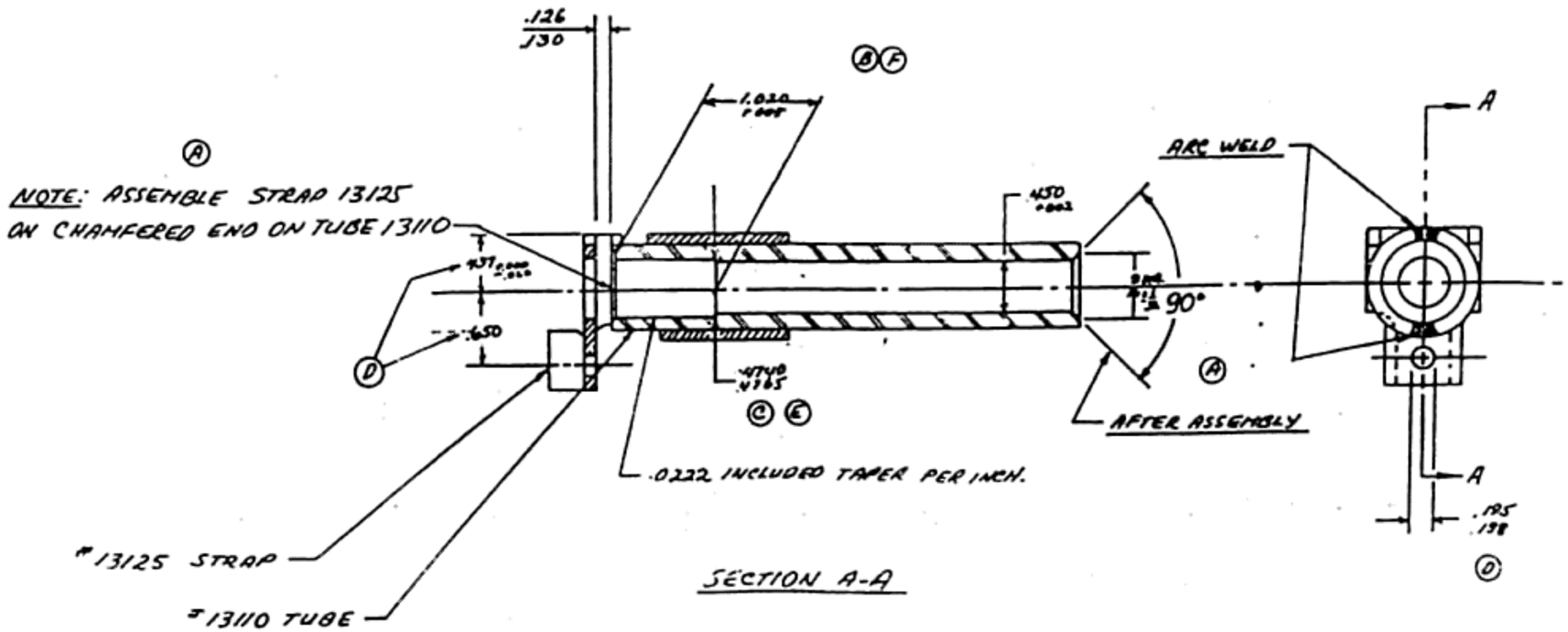
MAT'L	SPEC.	REL. NO.	DATE
FINISH	SPEC.	SCALE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
	5-6-42					

NAME SUB MACHINE GUN

DRAWING & PART NO.
13108
13109

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



LET	CHANGES	DATE	C'KR	REF.NO.	LET	CHANGES	DATE	C'KR	REF.NO.
					E	.475 WAS .475			
					D	O.M. ADDED	7-9-92		
					C	.7740/.7685 WAS .7720/.7735	6-25-92		
					B	.006 WAS .004	6-22-92		
					A	NOTES ADDED	5-18-92		
F	WAS 1.025 ±.006	2-5-92							

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MAT'L	SPEC.	REL. NO.	DATE
C.R.S.			5-13-92
FINISH	SPEC.	SCALE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	5-13-92					5-15-92

NAME: TUBE & STRAP ASSEMBLY

DRAWING & PART NO.: 13111

INLAND MANUFACTURING DIVISION
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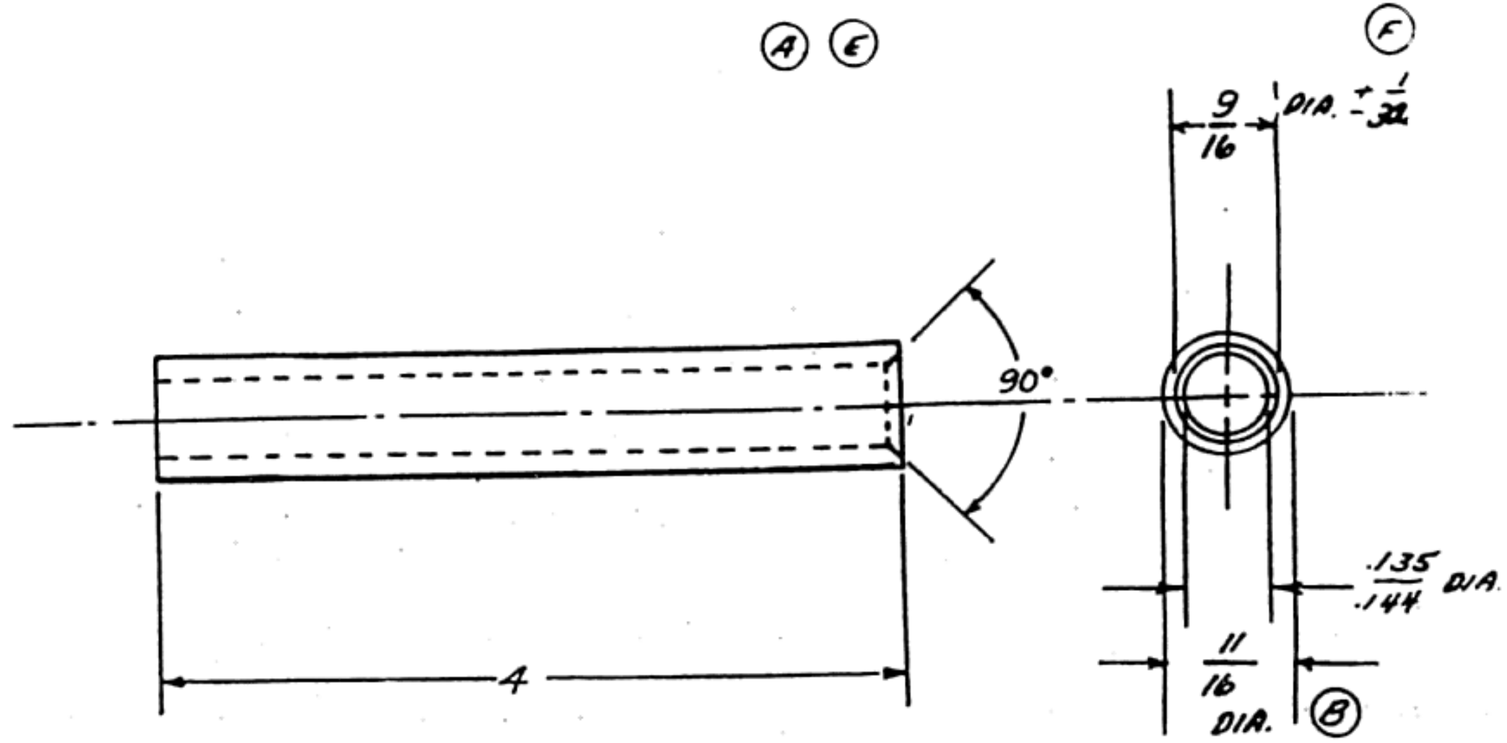


VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

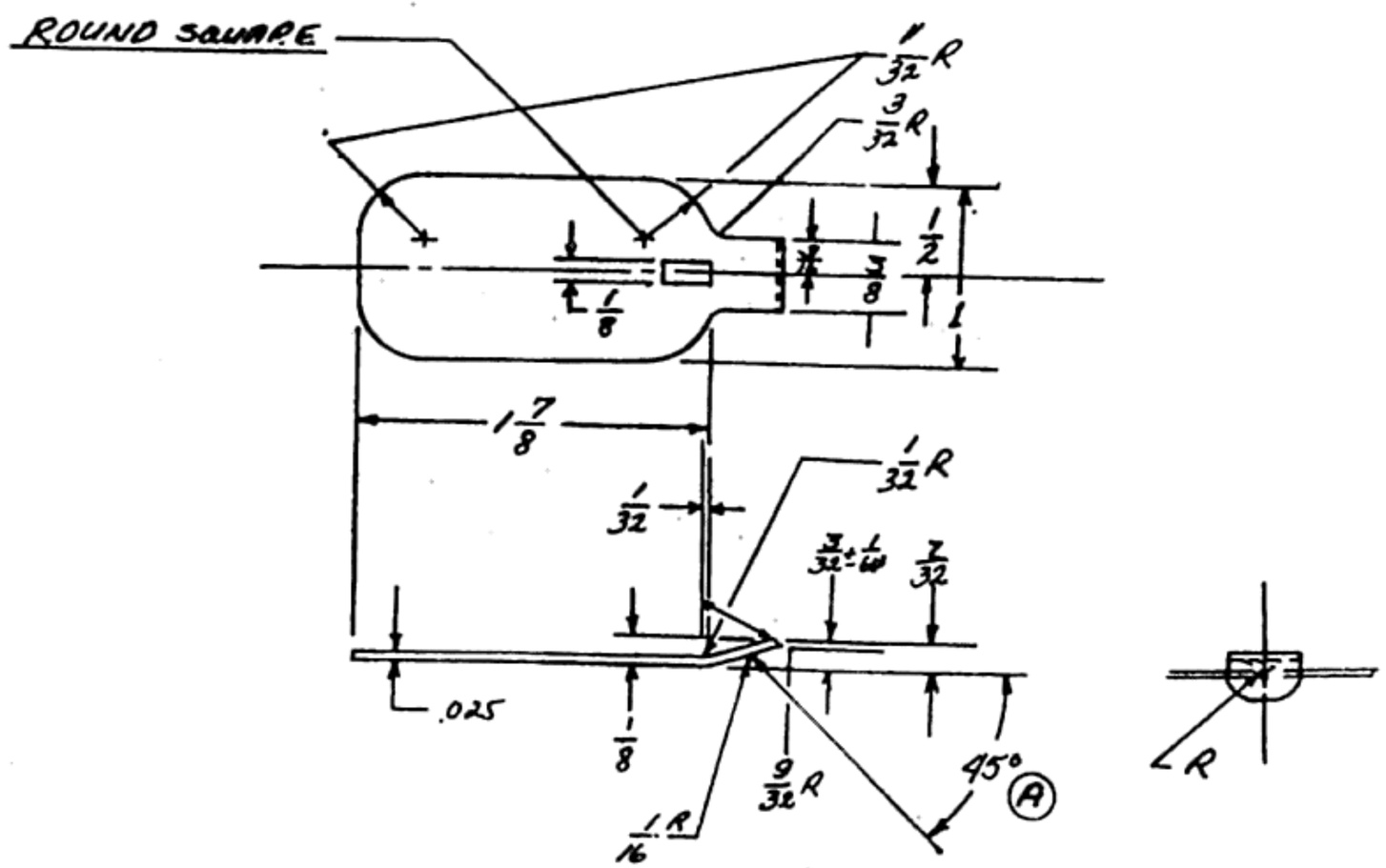
LET	CHANGES	DATE	C'K'R	REF. NO.
F	TOL. ADDED	5-27-42		
E	NOTE REMOVED	5-27-42		
D	435/405 WAS 430/410	5-27-42		
C	CHAMFER ADDED	5-25-42		
B	420 430 WAS 419	5-21-42		
A	11/16 WAS .615-.690	5-21-42		

MAT'L C.R.S.	SPEC.		REL. NO.	DATE 5-24-42			
FINISH SEAMLESS	SPEC.		SCALE				
DRAWN BY	DATE STARTED 5-2-42	FINISHED	CHECKED	DATE	APPROVED	DATE	

NAME TUBE

DRAWING & PART NO. 13110

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
A	45° ADDED	5-18-42		

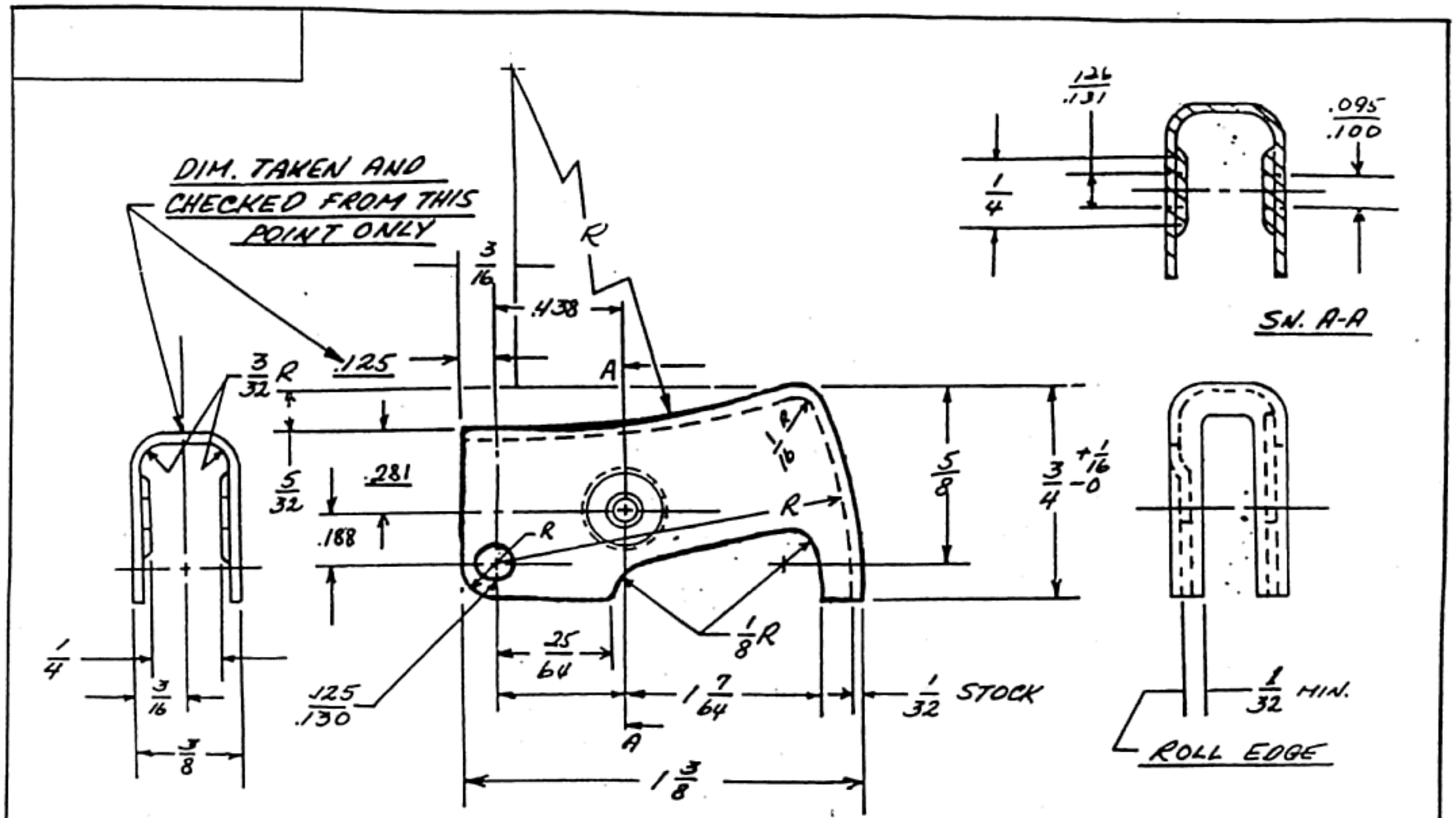
MAT'L	SPEC.	REL. NO.	DATE
C.R.S.	HALFHARD 1010		5-13-42
FINISH	SPEC.	SCALE	
		FULL	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Everitt	5-8-42					5-15-42

NAME: SNAP COVER

DRAWING & PART NO. 13112

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
B	DIM. MOVED	5-13-42		
A	WAS .125-.130			

MAT'L	SPEC.	REL. NO.	DATE
C.R.S.	GM 1010		5-13-42
FINISH	SPEC.	SCALE	
		DOUBLE	

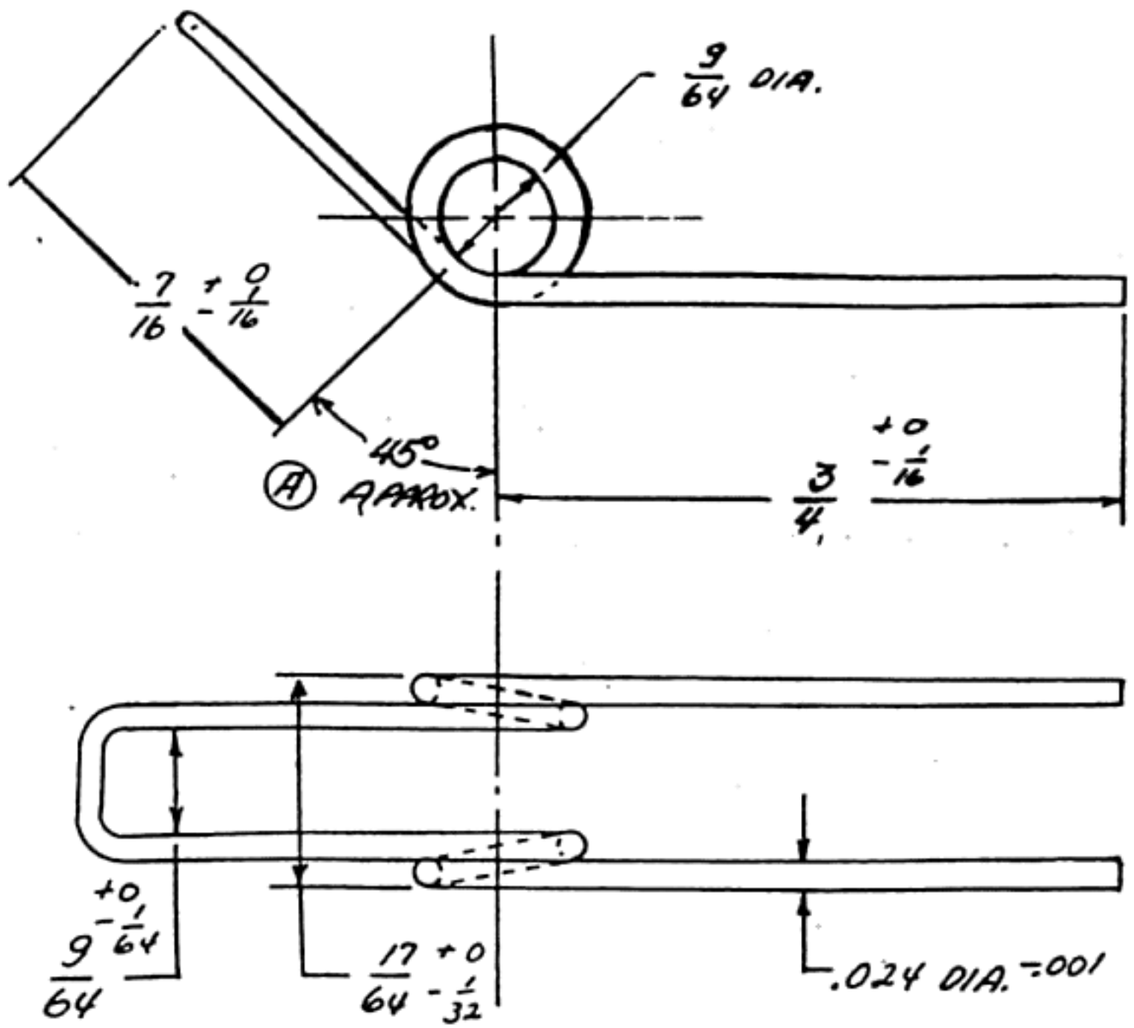
DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Brewer	5-1-42					

NAME: YOKE

DRAWING & PART NO. 13113

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

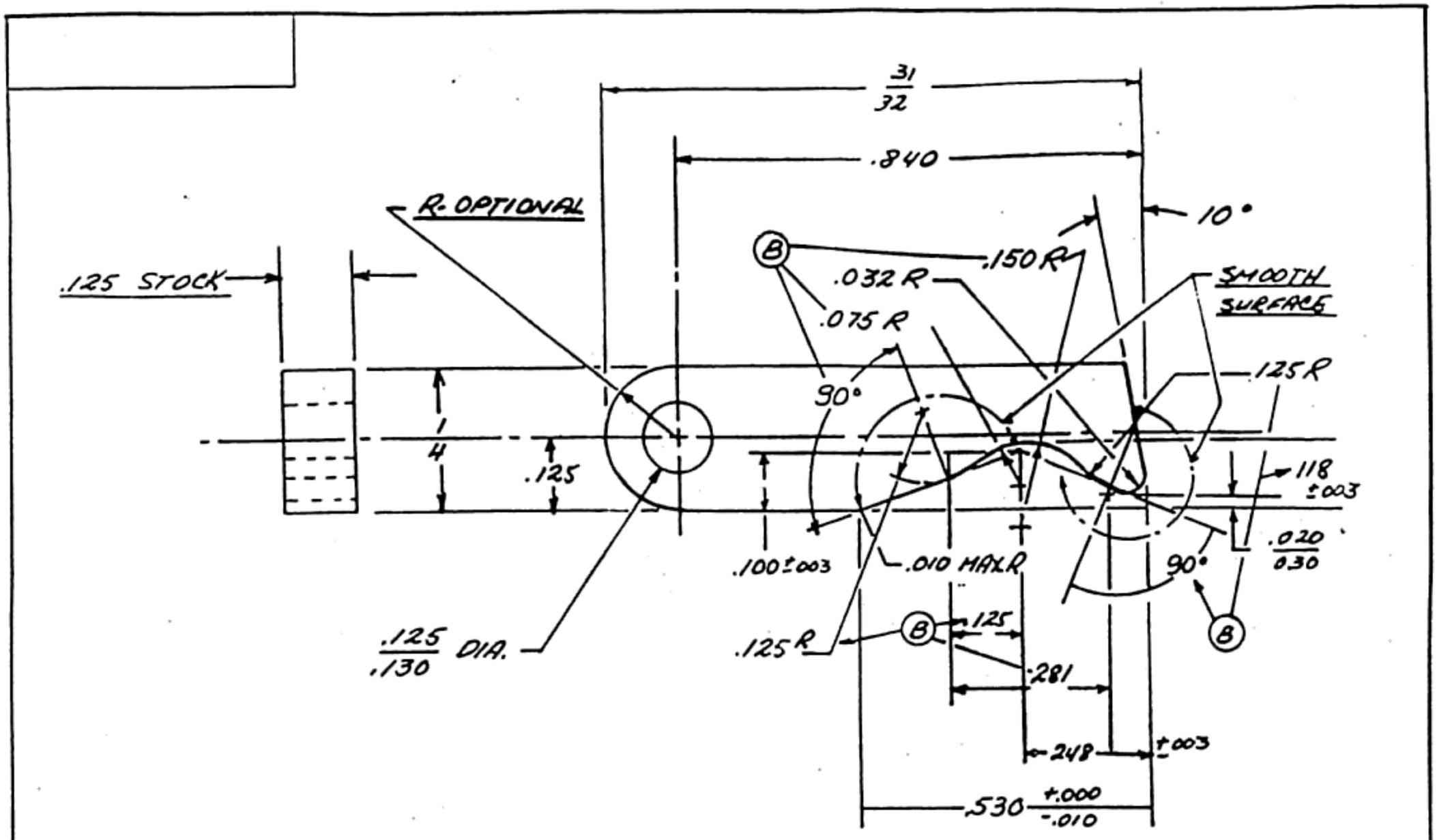
LET	CHANGES	DATE	C'K'R	REF. NO.
A	45° ADDED	5-13-42		

MAT'L MUSIC WIRE	SPEC.			REL. NO.	DATE 5-13-42	
FINISH STRESS RELIEVE	SPEC.			SCALE 4X SIZE		
DRAWN BY Everitt	DATE STARTED 5-7-42	FINISHED	CHECKED	DATE	APPROVED	DATE 5-15-42

NAME YOKE SPRING

DRAWING & PART NO. 13115

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
B	CAM REDESIGNED	7-9-42		
A	REDESIGNED	5-19-42	ALE	

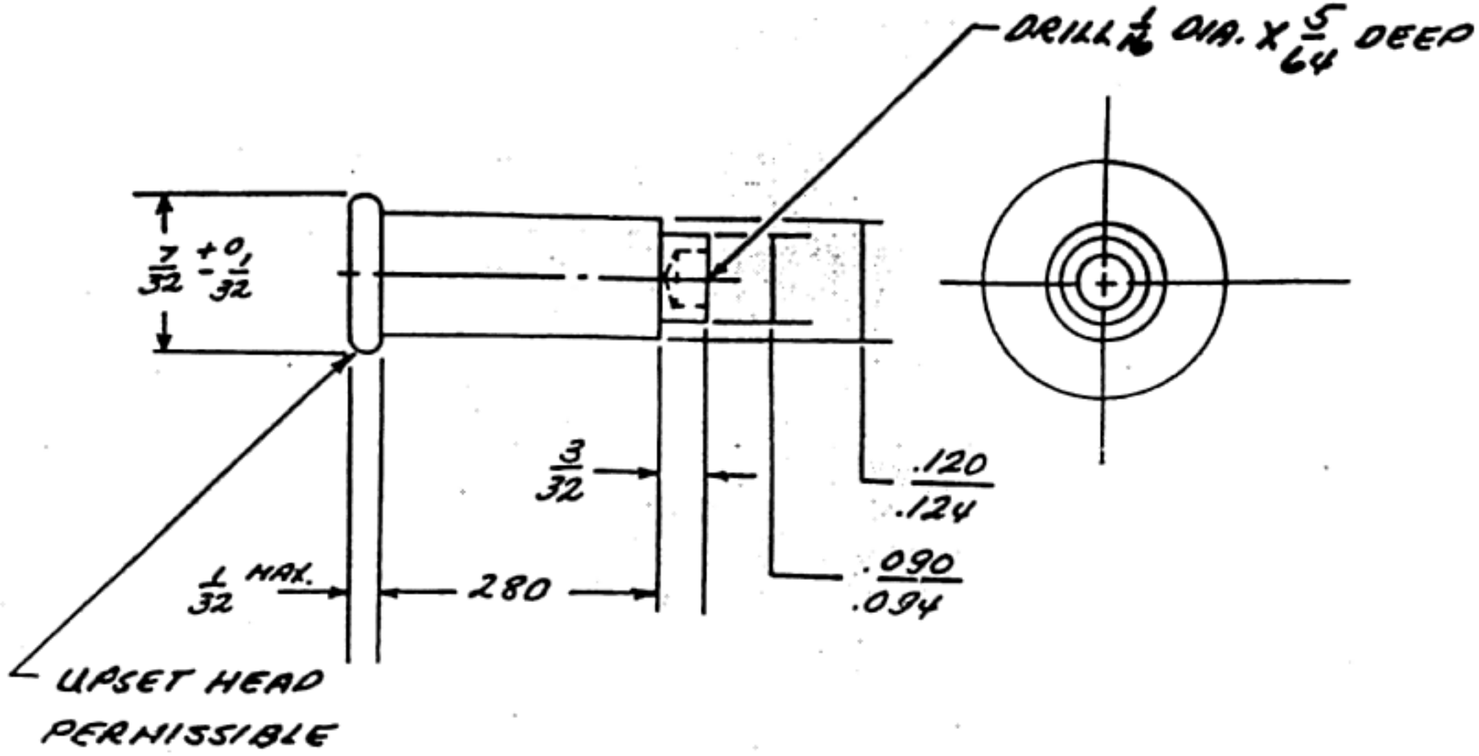
MAT'L	C.R.S.	SPEC.	GM 1010	REL. NO.	DATE
FINISH	CASE .004-.008	SPEC.		SCALE	4X SIZE

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Everitt	5-17-42					

NAME: YOKE LEVER

DRAWING & PART NO. 13114

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
A	ADDED NOTE ON HEAD	5-15-42		

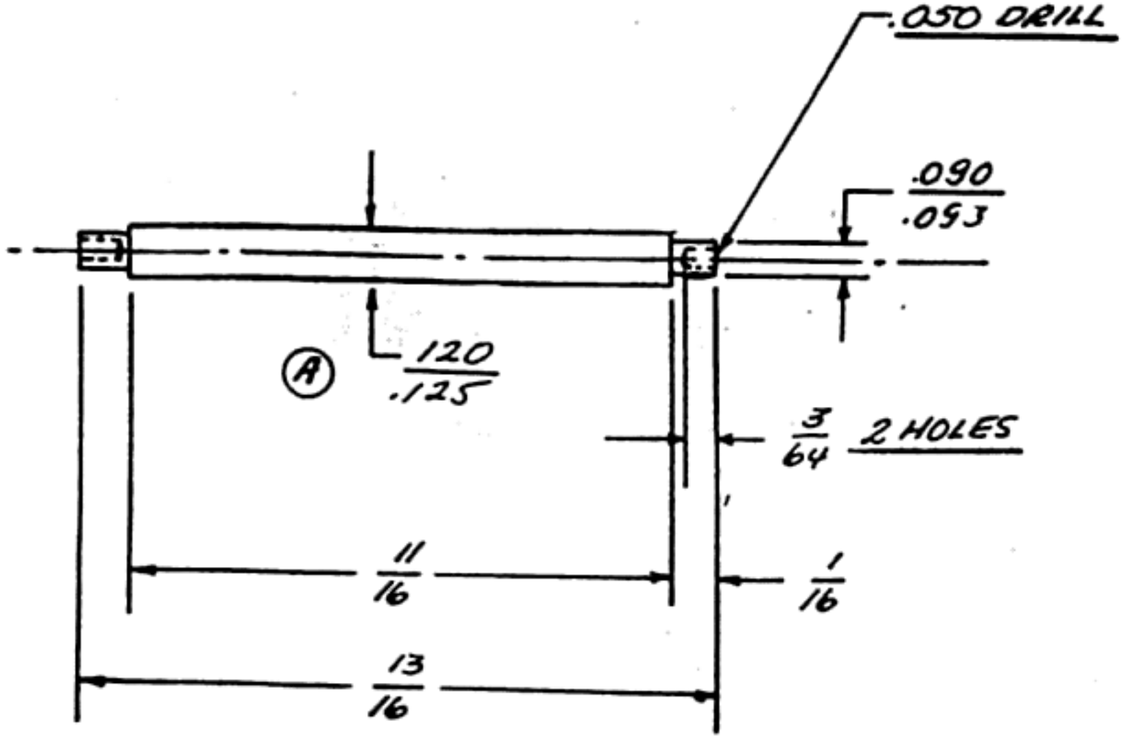
MAT'L	C.R.S	SPEC.		REL. NO.	DATE 5-15-42
FINISH		SPEC.		SCALE	5 X SIZE

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Everitt	5-2-42					5-15-42

NAME SHOULDER RIVET

DRAWING & PART NO. 13116

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
A	STOCK DIA.	5-15-42		

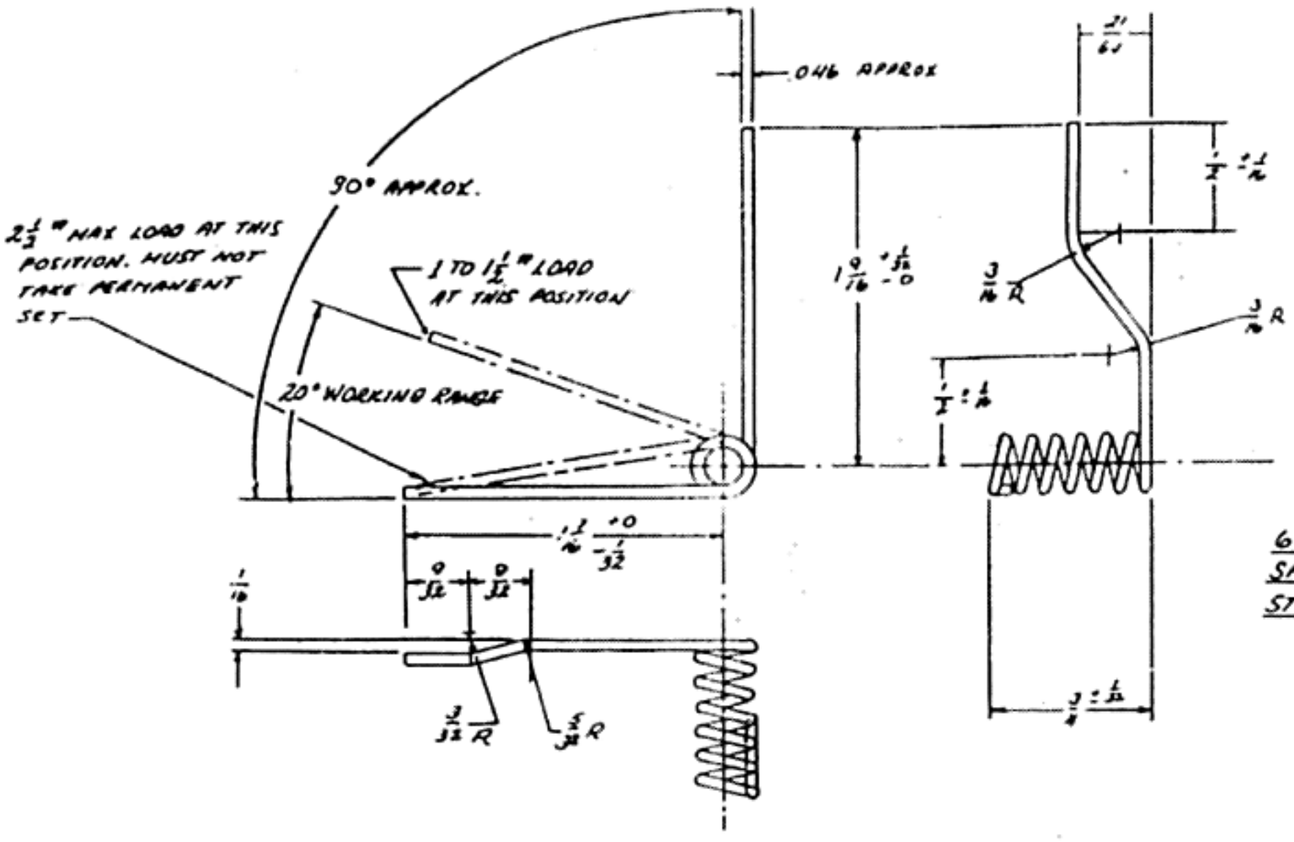
MAT'L	C.R.S.	SPEC.	REL. NO.	DATE 5-13-42
FINISH		SPEC.	SCALE	4X SIZE

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Everitt						5-15-42

NAME RIVET YOKE

DRAWING & PART NO. 13117

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



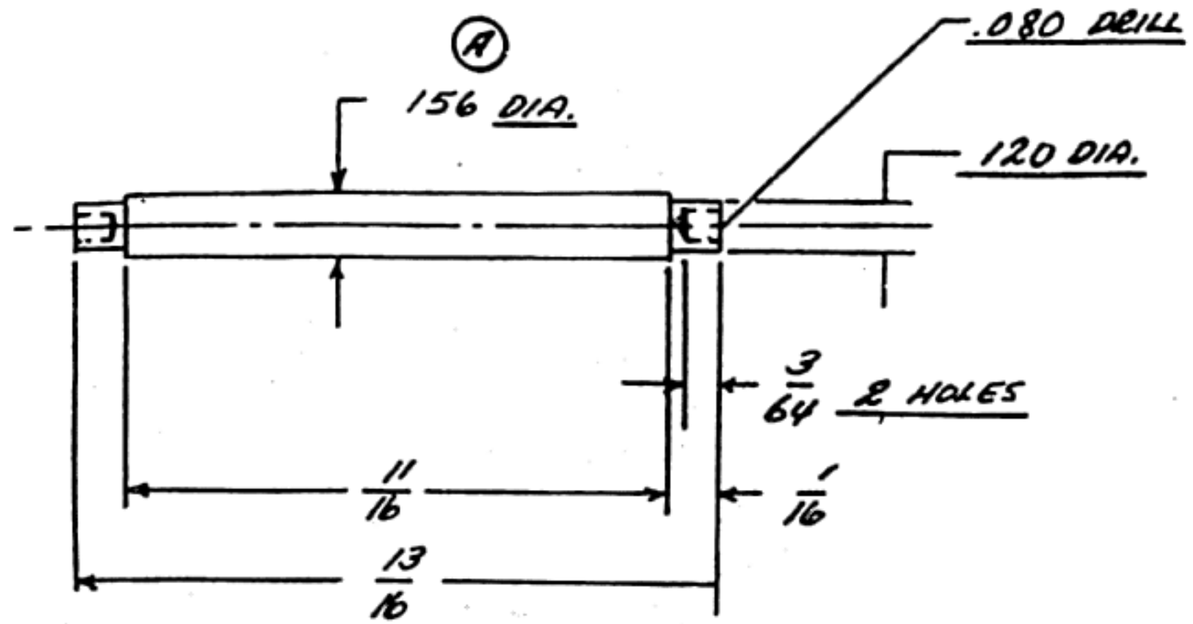
LET	CHANGES	DATE	C&R	REF NO.	LET	CHANGES	DATE	C&R	REF NO.

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MATL MUSIC WIRE		SPEC.		REL. NO.		DATE 5-13-42			
FINISH STRESS RELIEVE		SPEC.		SCALE 4X SIZE					
DRAWN BY HAMISCH	DATE STARTED 5-2-42	FINISHED 7-9-42	CHECKED	DATE	APPROVED	DATE 5-15-42			
NAME LOCK SPRING				DRAWING & PART NO. 13119					

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

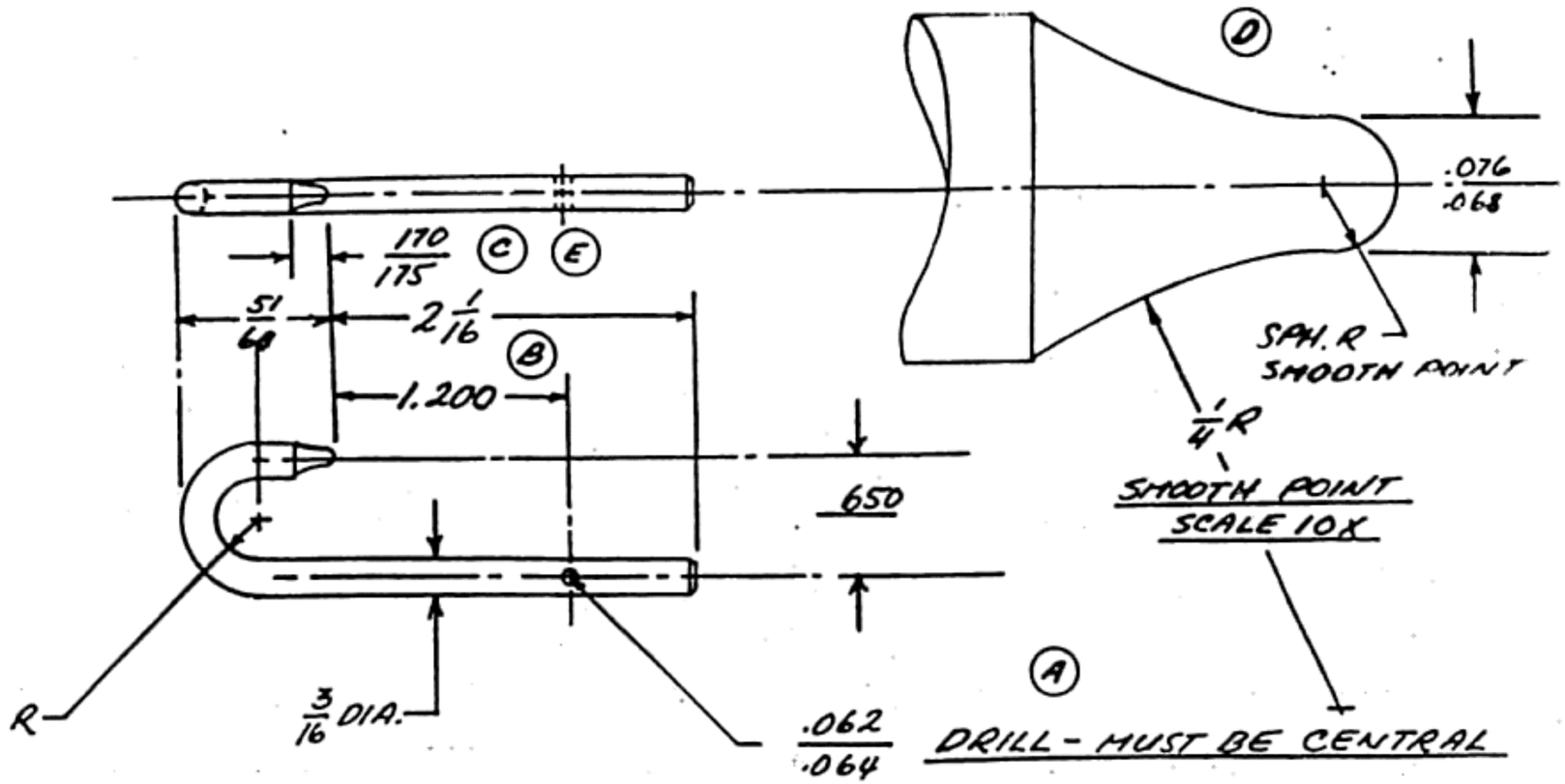
LET	CHANGES	DATE	C'K'R	REF. NO.
A	.156 WAS .165			

MAT'L C.R.S.	SPEC.			REL. NO.	DATE 5-13-42	
FINISH	SPEC.			SCALE 4X SIZE		
DRAWN BY Everitt	DATE STARTED 5-9-42	FINISHED	CHECKED	DATE	APPROVED	DATE 5-13-42

NAME RIVET. LOCK

DRAWING & PART NO. 13118

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
F	.002-.006 WAS .004-.008	6-1-42		
E	76/75 WAS .210	6-1-42		
D	NOSE REVISED	5-21-42		
C	.210 WAS .190	5-20-42		
B	1.200 WAS 1.250	5-20-42		
A	ADDED CENTRAL	5-15-42		

MAT'L: COLD DRAWN WIRE | SPEC.: 0101 OR EQUIV | REL. NO. | DATE: 5-13-42
FINISH: CYANIDE .002-.006 DEEP | SPEC. | SCALE: FULL

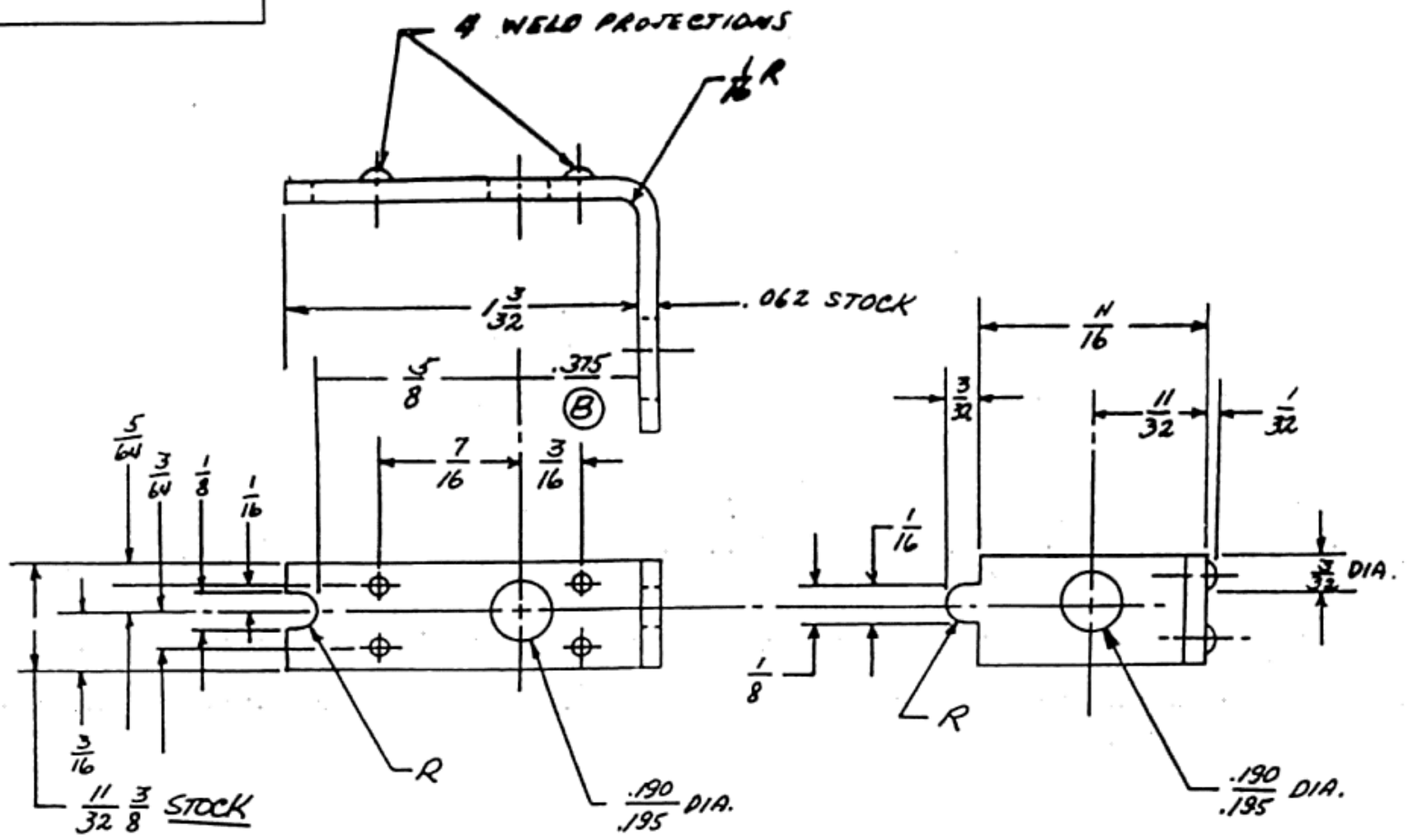
DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Ernst	5-5-42					5-15-42

NAME: CONTROL ROD

DRAWING & PART NO.: 13120

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
	.375 ADDED	5-21-42		
A	REDESIGNED 1/16 STOCK	5-18-42		

MAT'L	SPEC.	REL. NO.	DATE
C.R.S. HALF HARD	GM 1010		5-18-42
FINISH	SPEC.	SCALE	
		DOUBLE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	5-18-42	5-18-42				

NAME: ROD-GUIDE BRACKET

DRAWING & PART NO.: 13121

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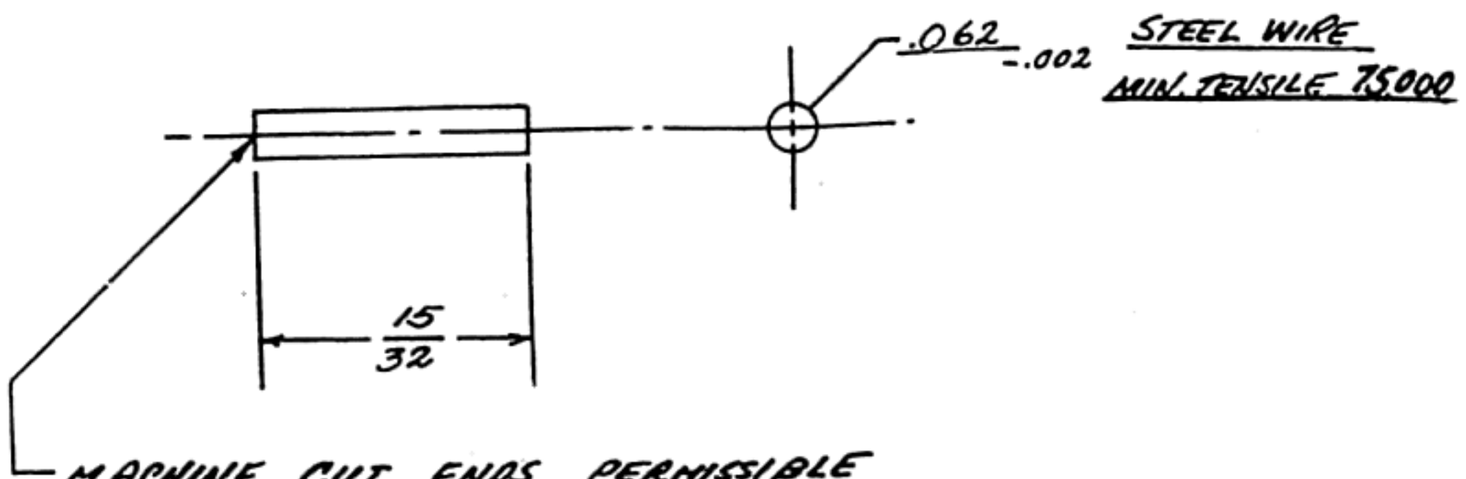

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.

MAT'L AS NOTED	SPEC.		REL. NO.	DATE 5-15-42		
FINISH	SPEC.		SCALE 4X SIZE			
DRAWN BY Everitt	DATE STARTED 5-2-42	FINISHED	CHECKED	DATE	APPROVED	DATE 5-15-42
NAME COLLAR PIN					DRAWING & PART NO. 13123	

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
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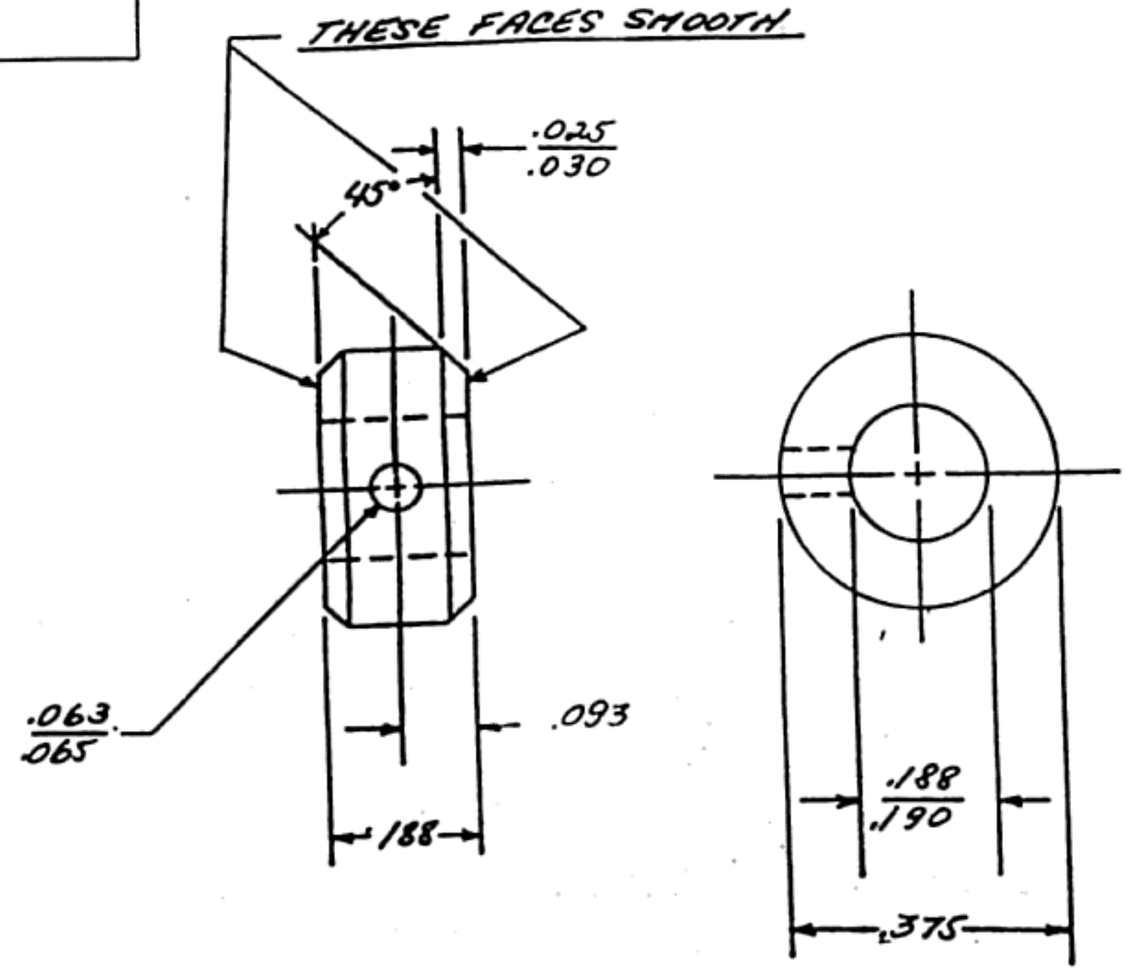


(A) COMMERCIAL SCREW MACHINE STOCK

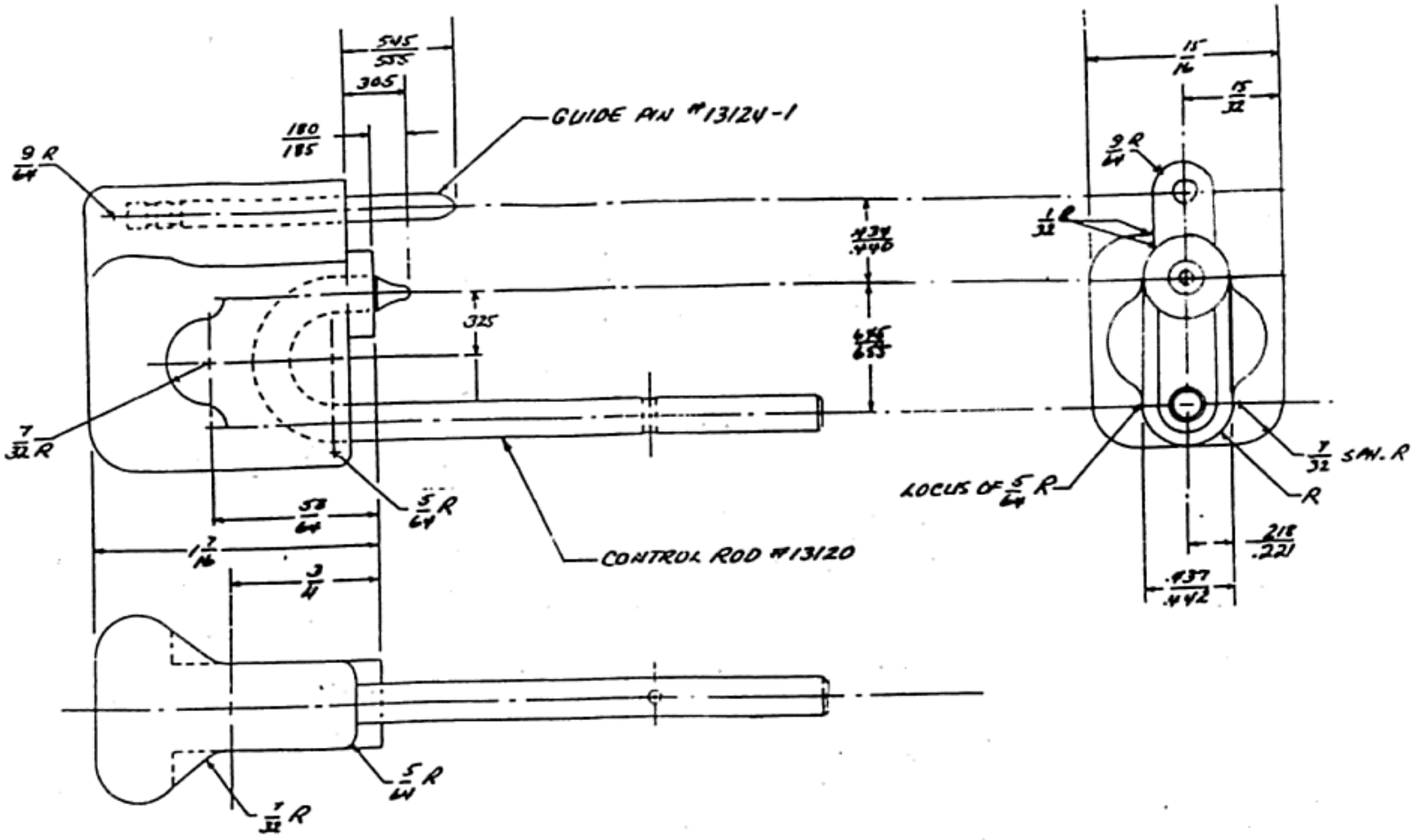
VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
B	CHAMFER ADDED	5-18-42		
A	ADDED NOTE	5-15-42		

MAT'L C.R.S.	SPEC. SEE ABOVE	REL. NO.	DATE 5-15-42			
FINISH CYANIDE .009-.008	SPEC.	SCALE 4X SIZE				
DRAWN BY Ernsth	DATE STARTED 5-2-42	FINISHED	CHECKED	DATE	APPROVED	DATE 5-15-42
NAME COLLAR				DRAWING & PART NO. 13122		

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



LET	CHANGES	DATE	C'K'D	REF. NO.	LET	CHANGES	DATE	C'K'D	REF. NO.
						REDRAWN	7-5-42	P.H.	

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .003 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

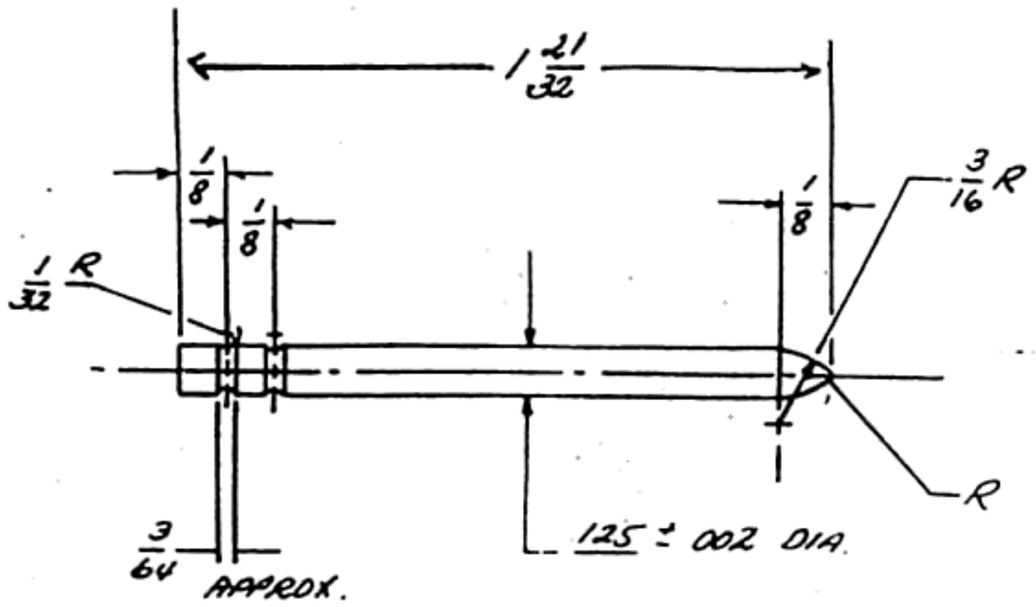
MAT'L	SPEC.	REL. NO.	DATE
ZINC DIE CAST			
FINISH	SPEC.	SCALE	
		2X SIZE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	7-6-42					

NAME: CONTROL ROD ASSEM.

DRAWING & PART NO.: 13124

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.

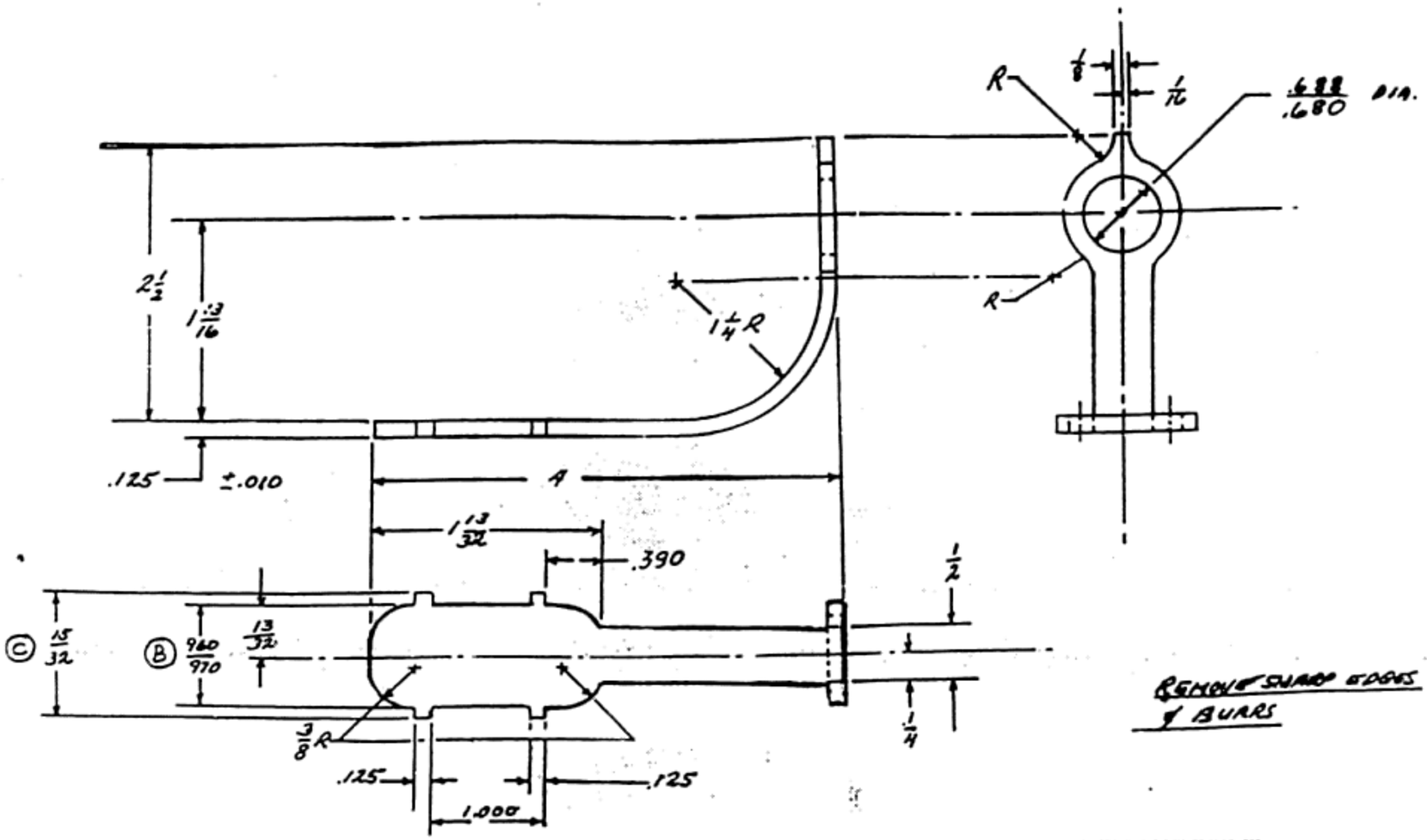
MAT'L C.R.S	SPEC.	REL. NO.	DATE
FINISH	SPEC.	SCALE 2X SIZE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH						

NAME GUIDE PIN

DRAWING & PART NO. 13124-1

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE NOTED

DO NOT SCALE

LET	CHANGES	DATE	C'KD	REF. NO.
C	15/16 WAS 7/8			
B	960/970 WAS 15/16			
A	TABS ADDED			

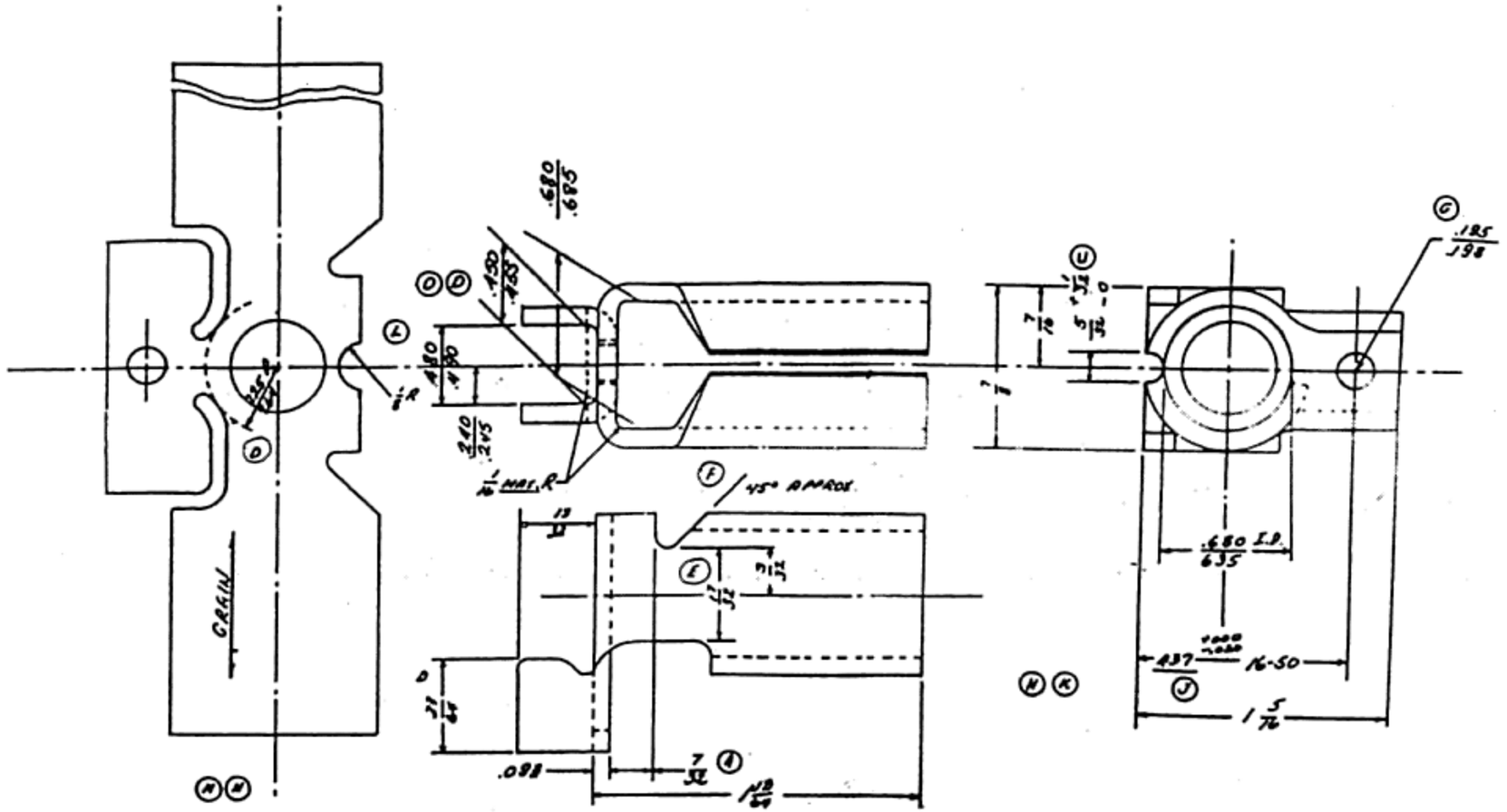
MAT'L	C.R.S.	SPEC.	GM 1010	REL. NO.	DATE 5-15-42
FINISH		SPEC.		SCALE	FULL

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Eresub	5-5-42					5-5-42

NAME: SPANNER

DRAWING & PART NO.: 13126

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



LET	CHANGES	DATE	C'KR	REF. NO.	LET	CHANGES	DATE	C'KR	REF. NO.
O	REDIMENSIONED	7-17-42			L	195/197 WAS MOVED	5-21-42		
N	VIEW REMOVED	7-17-42			F	ANGLE ADDED	5-11-42		
M	VIEW ADDED	7-13-42			E	13/32 WAS 3/16	"		
L	SLOT ADDED	7-3-42			D	.950 CHANGED	"		
K	NOTE REMOVED	"			C	13/32 WAS 5/16	5-15-42		
J	.030 WAS 0.06	"			B	17/32 WAS 1/2	5-15-42		
H	ADDED NOTE & TOL.	1-15-42			A	9/32 WAS 7/16	5-14-42		

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE NOTED

DO NOT SCALE

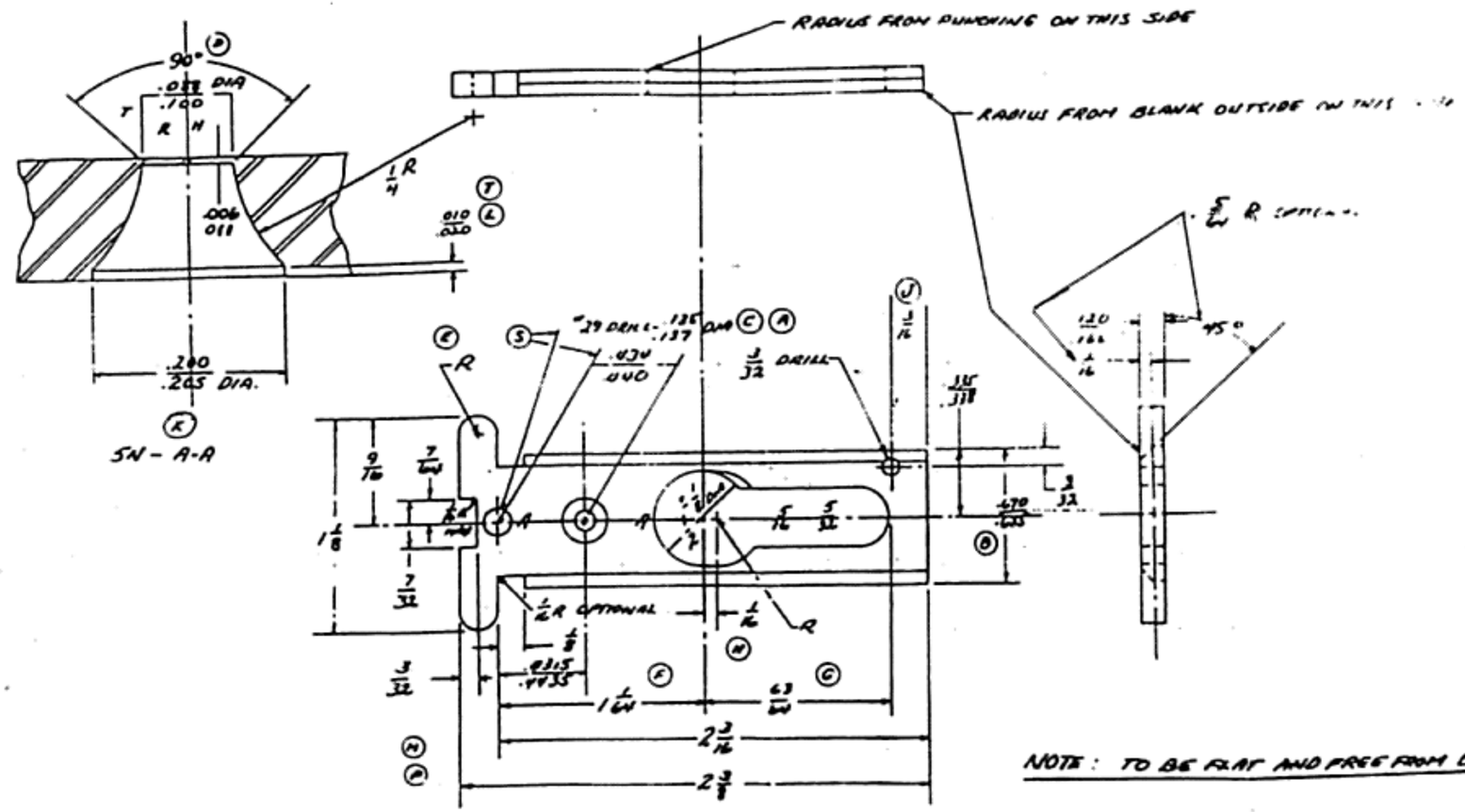
MAT'L C.R.S.	SPEC. GM 1010	REL. NO.	DATE 5-13-42
FINISH	SPEC.	SCALE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Everett	5-4-42					5-15-42

NAME TUBE STRAP

DRAWING & PART NO. 13125

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



LET	CHANGES	DATE	C'K'D	REF. NO.
T	.011 WAS .010 .015 WAS .020			
S	HOLE ADDED			
R	.046/.095 WAS .094			
Q	.005-.011 WAS .015			
P	.427/.435 WAS .437			
O	.015 X 45° COUNTER ADDED 6-15-42			
N	WAS .056-.069 AT SURFACE 6-15-42			
M	WAS 7/16			
L	.010/.015 ADDED			
K	HOLE REVISED			
J	3/16 WAS 7/32			
H	1/16 ADDED			

LET	CHANGES	DATE	C'K'D	REF. NO.
G	63/64 WAS 31/32			
F	1 1/64 WAS 1 1/32			
E	.R ADDED			
D	ADDED TOL. TO ½ D HOLE	5-15-42		
C	7/32 WAS 1/12	6-15-42		
B	.670 WAS .660	6-14-42		
A	1/16 HOLE ADDED	6-14-42		

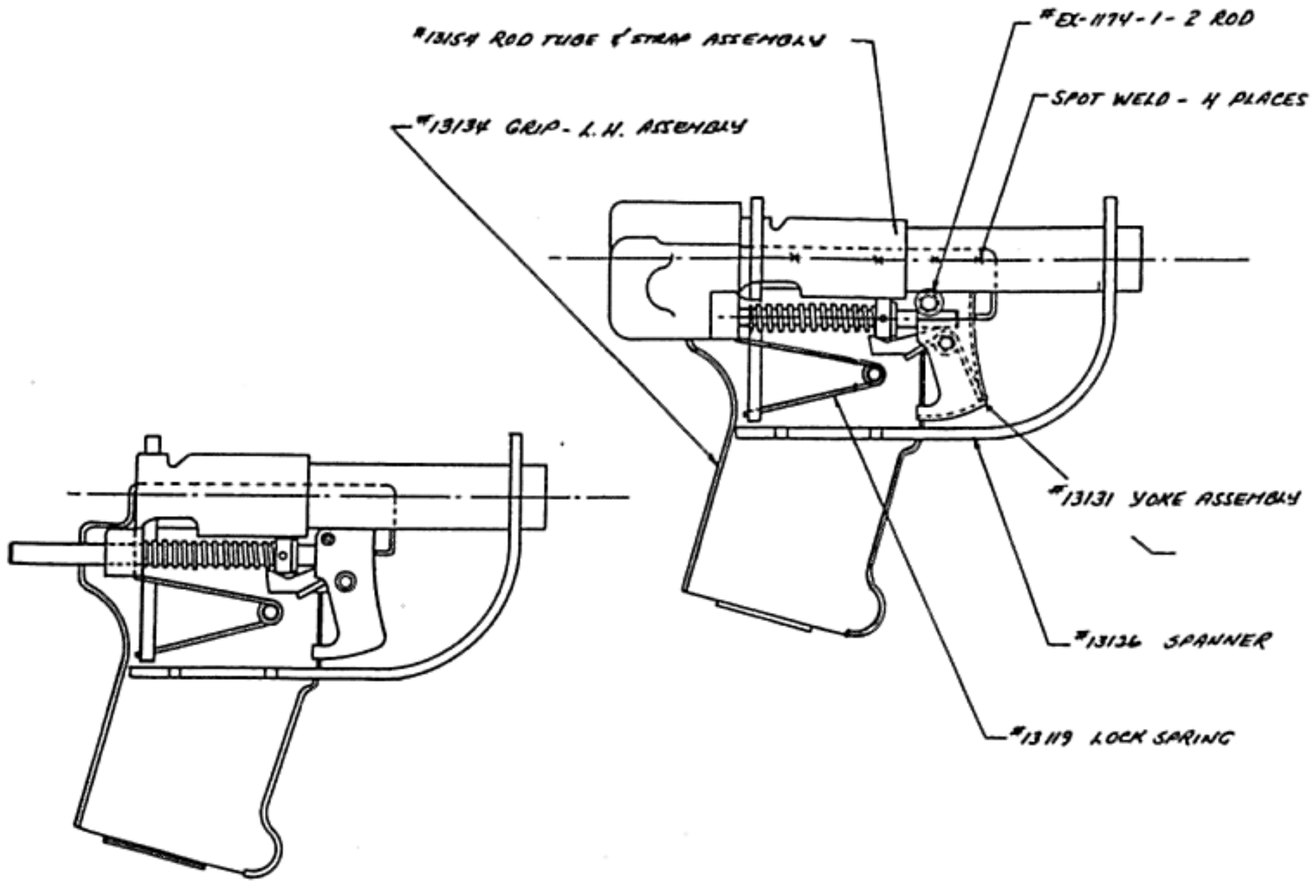
DO NOT SCALE

MAT'L C.R.S. HALF HARD	SPEC. GM 1010	REL. NO.	DATE 5-13-42				
FINISH	SPEC.	SCALE DOUBLE					
DRAWN BY Ernest	DATE STARTED 5-7-42	FINISHED	CHECKED	DATE	APPROVED	DATE 5-15-42	

NAME: COVER-SLIDE

DRAWING & PART NO. 13127

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



OPTIONAL CONSTRUCTION
SAME AS ABOVE EXCEPT OPTIONAL ROD TUBE & STRAP ASSY.

LET	CHANGES	DATE	C'KD	REF. NO.	LET	CHANGES	DATE	C'KD	REF. NO.
						REVISED TO DETAIL	6-18-42		
						ADDED	"		
						REVISED	5-18-42		

VARIATION ALLOWED PLUS OR MINUS .030 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

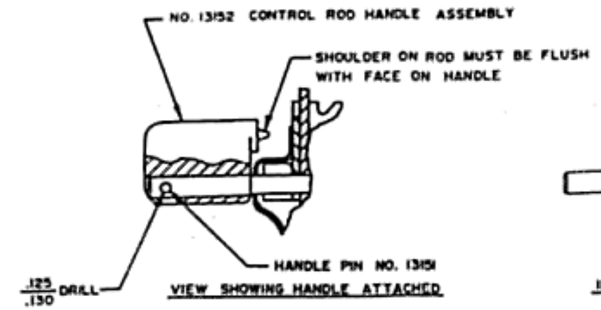
DO NOT SCALE

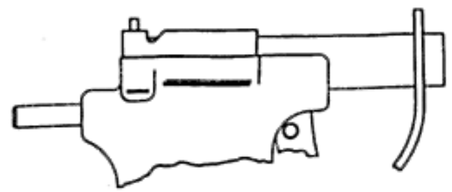
MAT'L		SPEC.		REL. NO.	DATE 5-15-42
FINISH		SPEC.		SCALE FULL	
DRAWN BY HAMISCH	DATE STARTED 5-13-42	FINISHED	CHECKED	DATE	APPROVED DATE 5-15-42

NAME GRIP AND BODY ASSEMBLY

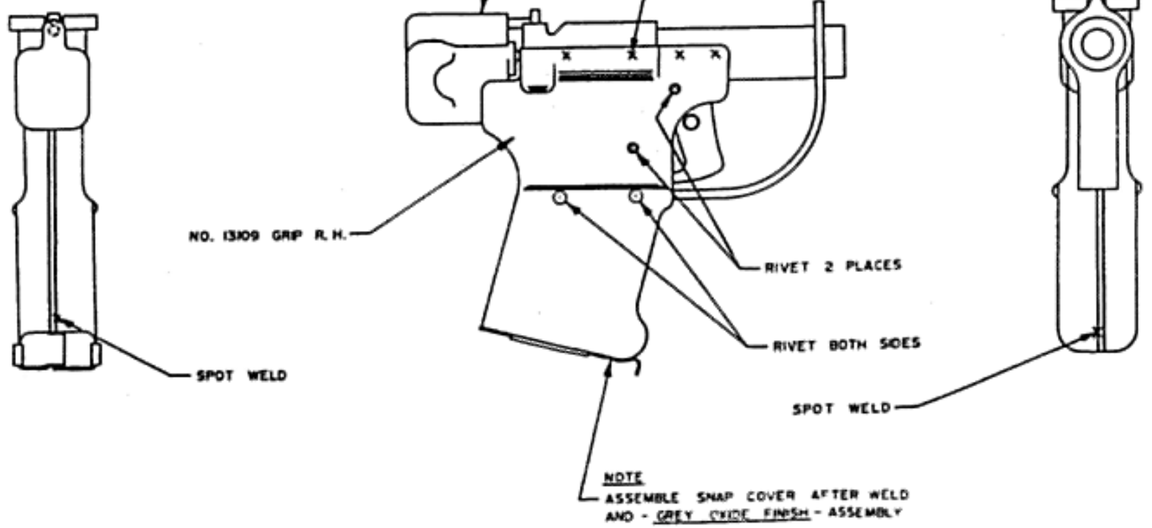
DRAWING & PART NO. 13128

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO


NO. 13152 CONTROL ROD HANDLE ASSEMBLY
SHOULDER ON ROD MUST BE FLUSH WITH FACE ON HANDLE
HANDLE PIN NO. 13151
.125 .130 DRILL
VIEW SHOWING HANDLE ATTACHED
INSERT PIN NO. 13151 AND PEEN DIE CASTING OVER ENDS OF PIN.



NOTE
IF OPTIONAL CONSTRUCTION IS USED BLACK OXIDE FINISH BEFORE ATTACHING HANDLE



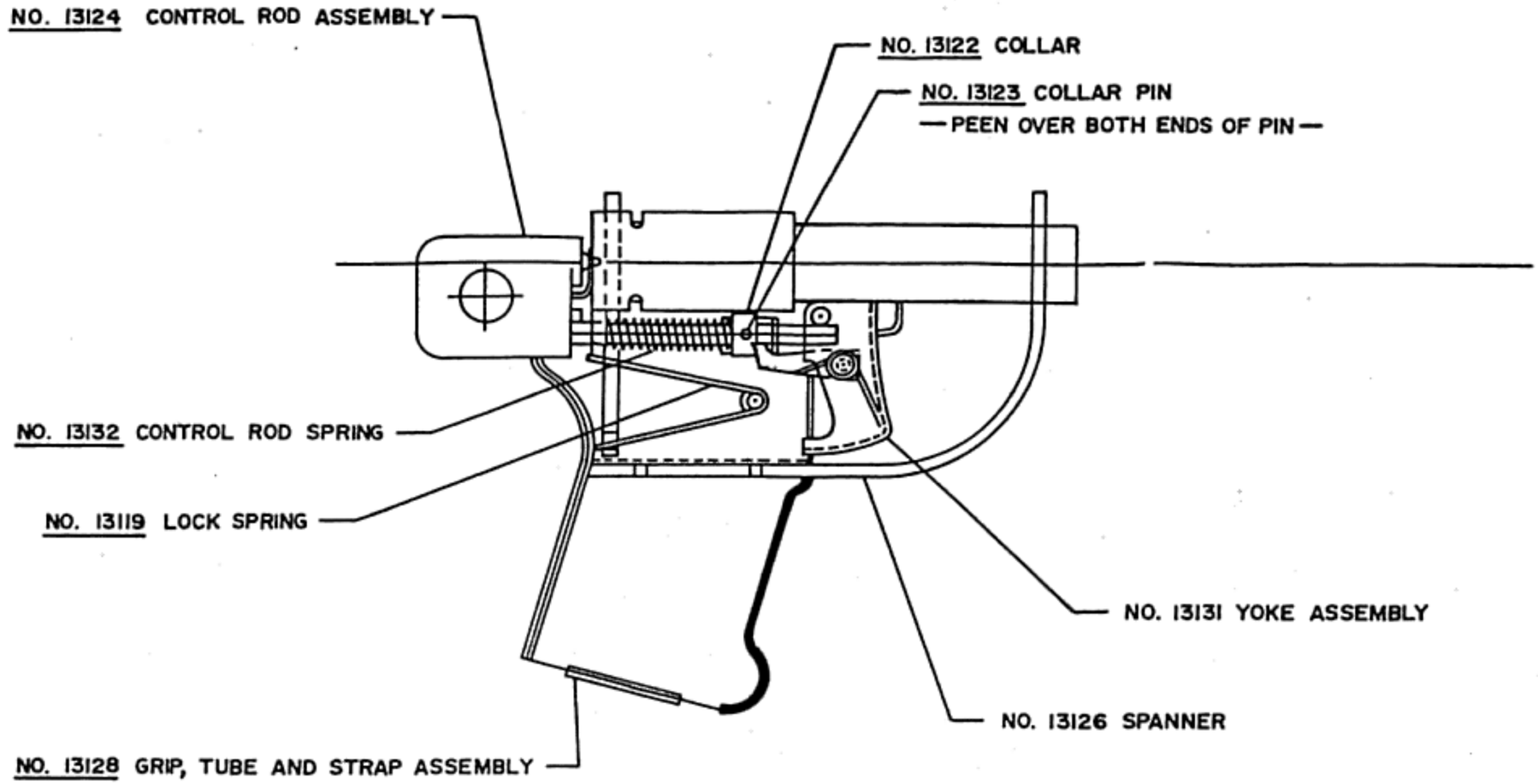
NOTE
ASSEMBLE SNAP COVER AFTER WELD AND - GREY OXIDE FINISH - ASSEMBLY

DO NOT SCALE

LTR	CHANGES	DATE	CHK	REF NO.
C	WAS BLACK	7-10-42		
B	REVISED TO DETAIL	7-10-42		
A	REVISED TO DETAIL	5-20-42		

MAT'L		SPEC.		REL. NO.	DATE 6-13-42
FINISH		SPEC.		SCALE	
DRAWN BY HAMISCH	DATE STARTED 5-13-42	FINISHED	CHECKED	DATE	APPROVED DATE 5-15-42
NAME BODY ASSEMBLY				DRAWING & PART NO. 13130	

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO


NO. 13124 CONTROL ROD ASSEMBLY
NO. 13122 COLLAR
NO. 13123 COLLAR PIN
— PEEN OVER BOTH ENDS OF PIN —
NO. 13132 CONTROL ROD SPRING
NO. 13119 LOCK SPRING
NO. 13131 YOKE ASSEMBLY
NO. 13126 SPANNER
NO. 13128 GRIP, TUBE AND STRAP ASSEMBLY

LET	CHANGES	DATE	C'KD	REF. NO.	LET	CHANGES	DATE	C'KD	REF. NO.

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

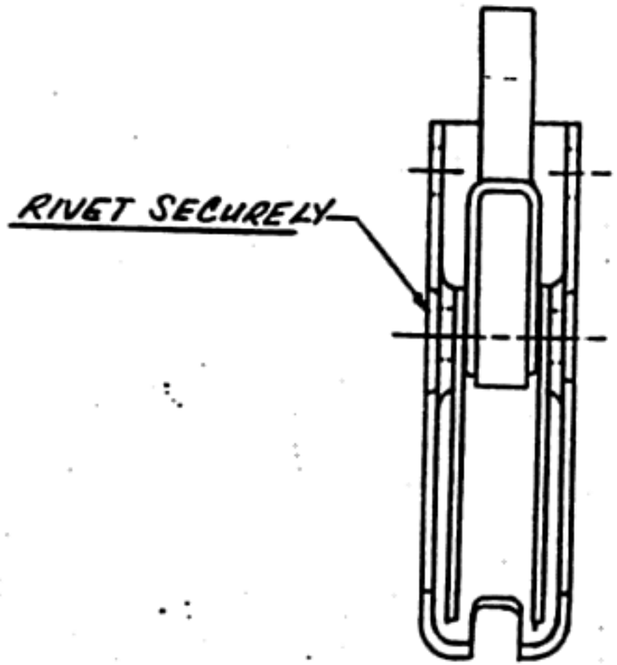
MAT'L	SPEC.	REL. NO.	DATE 5-15-42
FINISH	SPEC.	SCALE	

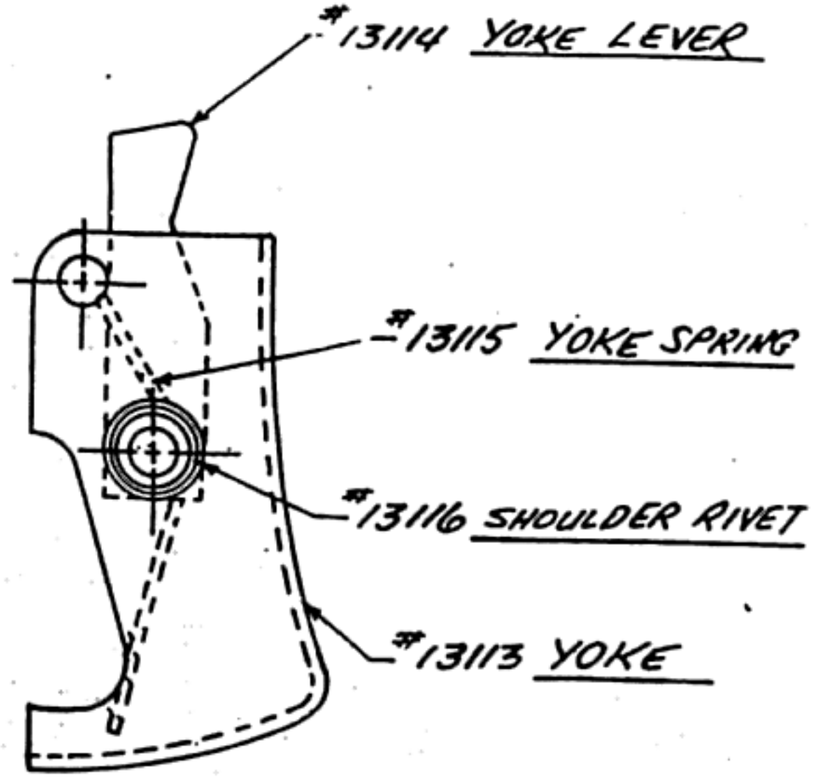
DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	5-13-42					5-15-42

NAME BODY AND MECHANISM ASSEMBLY

DRAWING & PART NO. 13129

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO





VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.
A	REVISED TO DETAIL	5-22-42		

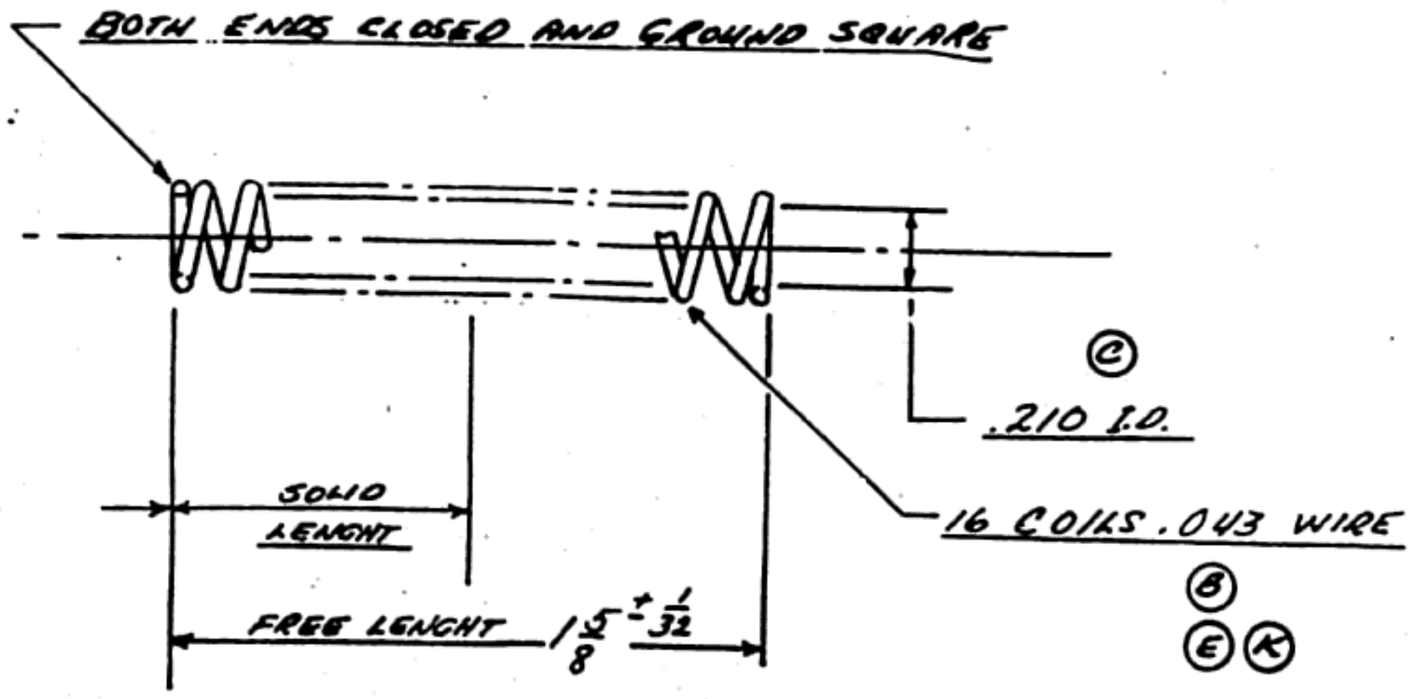
MAT'L	SPEC.	REL. NO.	DATE 5-13-42
FINISH	SPEC.	SCALE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	5-13-42					5-15-42

NAME YOKE ASSEMBLY

DRAWING & PART NO. 13131

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



LET	CHANGES	DATE	C'K'R	REF. NO.
M	13±2# WAS 20 ± 2 #	8-7-42		
L	1 5/8 WAS 1 24/32			
K	.043 WAS .046		7-9-42	
J	11/16 AT 20# WAS 23/32 AT 28#		11	
H	1 29/32 WAS 1 23/32		11	
G	WAS 1 29/32	6-18-42		
F	WAS 11/16 @ 20 ± 1.	6-18-42		
E	WAS .043 WIRE	6-18-42		
D	20# WAS 12 #	5-10-42		
C	.210 WAS .206	"		
B	.043 WAS .062	"		
A	1 29/32 WAS 1 25/32	"		

OPERATES OVER 3/16 DIA. ROD

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE.

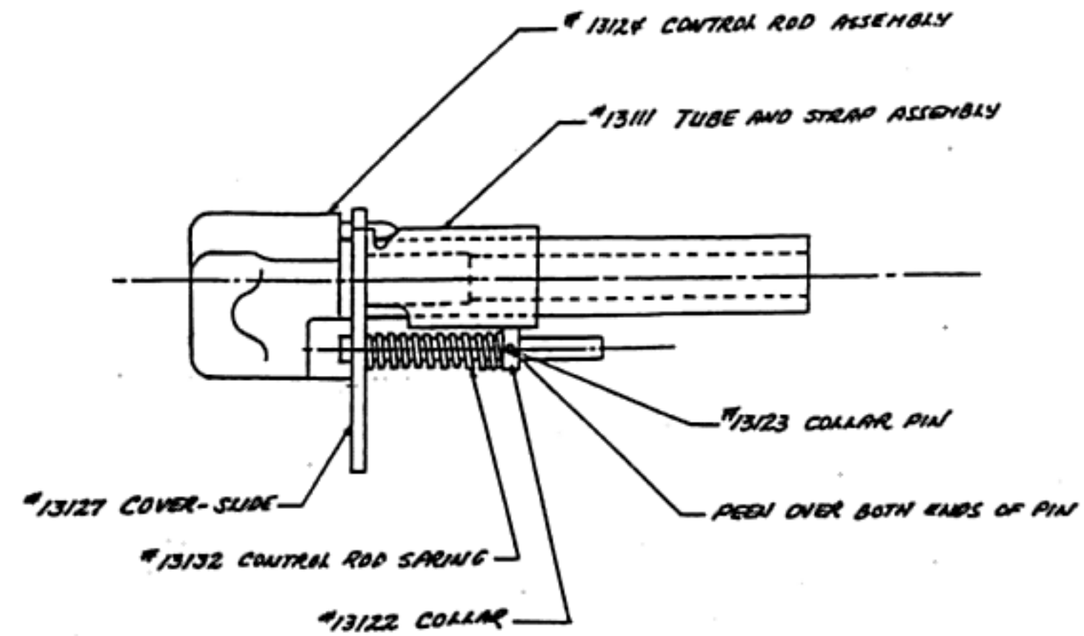
MAT'L	SPEC.	REL. NO.	DATE
MUSIC WIRE			5-13-42
FINISH STRESS RELIEVE	SPEC.	SCALE	DOUBLE

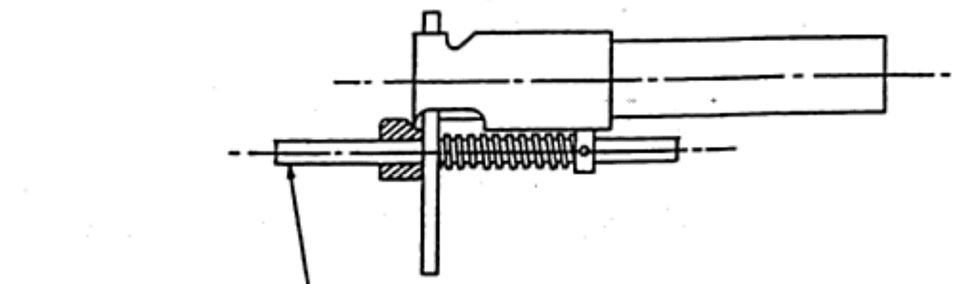
DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
Evans	5-15-42					

NAME CONTROL ROD SPRING

DRAWING & PART NO. 13132

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO





OPTIONAL CONSTRUCTION
SAME AS ABOVE EXCEPT AS SHOWN

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE STATED

DO NOT SCALE

LET	CHANGES	DATE	C'KD	REF. NO.
A	REVISED TO DETAIL	7-9-92		

MAT'L	SPEC.	REL. NO.	DATE
FINISH	SPEC.	SCALE FULL	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
HAMISCH	5-19-92					

NAME
ROD TUBE AND STRAP ASSEM

DRAWING & PART NO.
13154

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION

DAYTON, OHIO

UNIT PARTS LIST

Part No.	Part Name	No. Req'd	Material	Physical
13110	TUBE	1	C.R.S.	SEAMLESS
13125	TUBE STRAP	1	C.R.S.	
13108	L.H. GRIP	1	C.R.S.	
13109	R.H. GRIP	1	C.R.S.	
13117	RIVET YOKE	1	C.R.S.	
13118	RIVET LOCK	1	C.R.S.	
13113	YOKE	1	C.R.S.	
13114	YOKE LEVER	1	C.R.S.	CASE .003-.006
13115	YOKE SPRING	1	MUSIC WIRE	STRESS RELIEVE
13116	SHOULDER RIVET	1	C.R.S.	
13124-1	GUIDE PIN	1	C.R.S.	
13121	GUIDE ROD BRACKET	1	C.R.S.	
13120	CONTROL ROD	1	C.R.S.	CASE .003-.006
13132	CONTROL ROD SPRING	1	MUSIC WIRE	STRESS RELIEVE
13122	COLLAR	1	C.R.S.	CASE .003-.006
13123	COLLAR PIN	1	C.R.S.	
13127	COVER SLIDE	1	C.R.S.	
13119	LOCK SPRING	1	MUSIC WIRE	STRESS RELIEVE
EX1174-1	SPACER	2	M 237	
13126	SPANNER	1	C.R.S.	
13112	SNAP COVER	1	C.R.S.	HALF HARD.

LIST OF AUTHORIZED ASSEMBLIES AND SUB-ASSEMBLIES

Part No.	Part Name	No. Req'd	Remarks
13124	CONTROL ROD ASSEM.	1	DIE CAST
13111	TUBE AND STRAP ASSEM.	1	
13128	GRIP AND BODY ASSEM.	1	
13130	BODY ASSEM.	1	
13131	YOKE ASSEM.	1	
13154	ROD TUBE AND STRAP ASSEM.	1	
13134	GRIP L.H. ASSEMBLY	1	
~~13152~~	~~CONTROL ROD HANDLE ASSEM. (OPTIONAL DESIGN)~~	~~1~~	

LET. | CHANGES | DATE | CHK | REF.NO.

A | REVISED TO DETAIL | 7/10/56

NAME: LIST OF PARTS AND ASSEM FLARE PROJECTOR

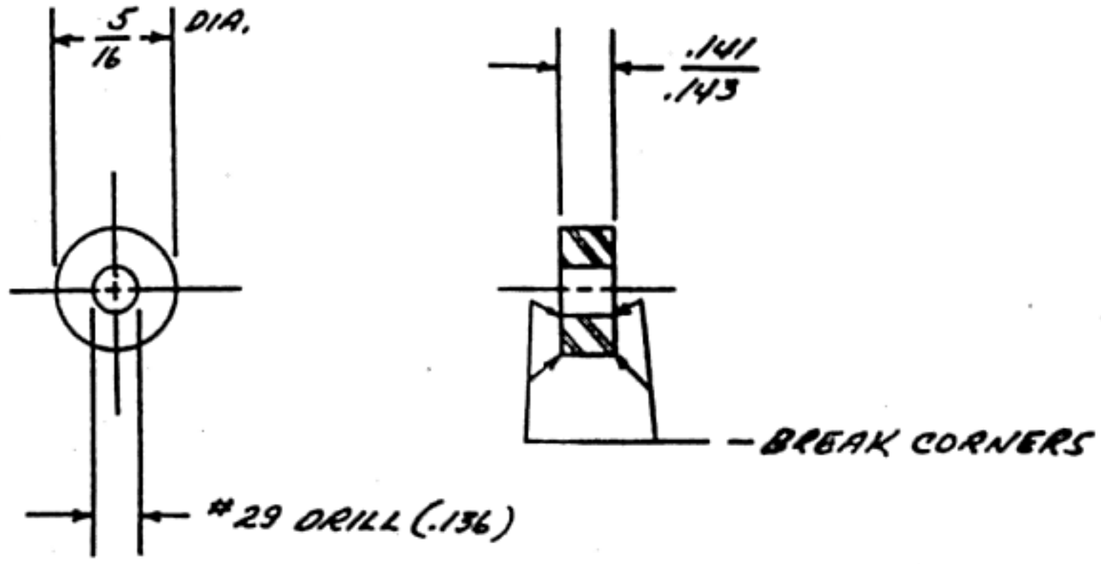
DRAWING & PART NO. 13133

MAT'L | FINISH | DRAWN BY | DATE STARTED | TRACED | CHECKED | SPEC. | SCALE | DATE | APPROVED | DATE

SPEC. | REL. NO. | DATE

DO NOT SCALE

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

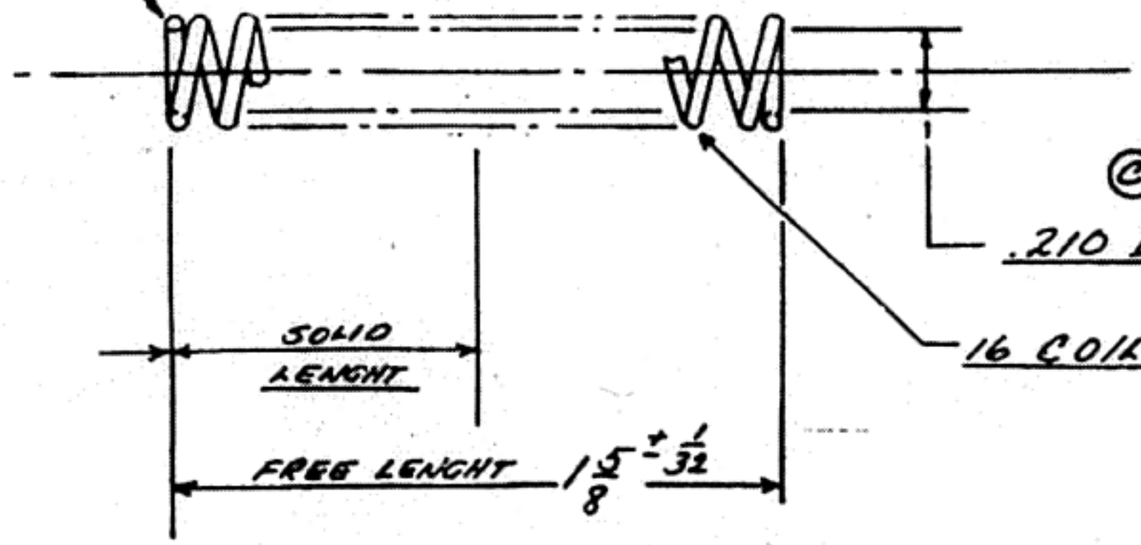
DO NOT SCALE

LET	CHANGES	DATE	C'K'R	REF. NO.

MAT'L C.D. STEEL		SPEC M-237		REL. NO.		DATE
FINISH		SPEC.		SCALE 2X SIZE		
DRAWN BY HAMISCH	DATE STARTED	FINISHED 7-9-92	CHECKED	DATE	APPROVED	DATE
NAME SPACER				DRAWING & PART NO. EX-1174-1		

INLAND MANUFACTURING DIVISION
GENERAL MOTORS CORPORATION
DAYTON, OHIO

BOTH ENDS CLOSED AND GROUND SQUARE



© .210 I.D.

16 COILS .043 WIRE
(B) (E) (K)

$\frac{11}{16}$ AT 13 ± 2 # LOAD
(D) (F) (J) (M)

OPERATES OVER $\frac{3}{16}$ DIA. ROD
(A) (G) (H) (L)

LET.	CHANGES	DATE	C'K'R	REF. NO.

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENTIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MAT'L	SPEC.	REL. NO.	DATE
MUSIC WIRE			5-13-42
FINISH: STRESS RELIEVE	SPEC.	SCALE: DOUBLE	

DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
	5-13-42					

NAME: CONTROL ROD SPRING

DRAWING & PART NO.: 13132